Canadian Journal of **Earth Sciences**

Revue canadienne des sciences de la Terre

Volume 30, 1993 Author Index / Index des auteurs

Adrain, J.M., 1634 Aksu, A.E., 1385 Anastas, A.S., 2453 Anderson, R.R., 1275 Andrews, J.T., 954, 2448 Artist-Downey, M., 145 Asudeh, I., 787 Atkinson, B.T., 2366 Attrep, M., Jr., 1870 Baadsgaard, H., 769 Babaei, A., 1297 Babaie, H.A., 1297 Bai, W.-J., 1650 Bakke, A., 764 Bardoux, M., 1521 Barr, S.M., 1, 1147 Barrett, T.J., 1934 Basham, P.W., 372 Basinger, J.F., 1914 Beaucaire, C., 754 Bédard, L.P., 124 Bédard, P., 1853 Bélanger, M., 2423 Belkabir, A., 1924 Bell, K., 689 Berger, G.W., 1815 Bergeron, M., 1553 Bertrand, J.-M., 1470 Beske-Diehl, S., 1404 Bevier, M.L., 1 Blais, A., 201 Boerboom, T.J., 2510 Bouchard, M.A., 1715 Bower, M., 243 Braman, D.R., 2101 Brandon, A.D., 1076 Brennand, T.A., 928 Brinkman, D., 486

Brinkman, D.B., 2013, 2128, 2139, 2153, 2214

Bruneau, D., 1676 Bruneton, P., 651, 653 Buchan, K.L., 645, 1286, 1886 Budd, D.A., 519 Burg, J.-P., 1110 Burn, C.R., 109 Butler, R.F., 1898, 1981 Cadman, A.C., 1490 Calkin, P.E., 1829

Camiré, G.E., 1110 Campbell, I.A., 1846 Card, K.D., 1286, 1970, 2475 Carlson, R.W., 1141 Carmichael, C.M., 1741 Carter, L.D., 519, 1007 Carter, R.W.G., 1374 Cassard, D., 113 Castaing, C., 113 Castillo, J.H., 2380 Cattalani, S., 1934 Ceman, J.A., 1390 Chabod, J.C., 113 Charbonneau, R., 1697 Charland, A., 132 Chatterjee, A.K., 449 Chatterton, B.D.E., 1634, 1660, 1870

Childe, F., 1056 Chinn, T.J., 1861 Christiansen, E.A., 420, 1224 Churcher, C.S., 1007 Clague, J.J., 499 Clark, T., 1582 Clarke, D.B., 449, 2295 Clauer, N., 720

Chenevoy, M., 2423

Clowes, R.M., 1014, 1427, 1440, 2389 Coniglio, M., 2453 Corfu, F., 1179 Comey, R.E., 1759 Costanzo-Alvarez, V., 2380 Courty, M.-A., 806 Currie, K.L., 1547, 2481

2248, 2255

Currie, P.J., 2027, 2037, 2180, 2224, 2231,

Currie, R.G., 278 David, P.P., 1697 Davis, A.S., 975 Davis, E.E., 278, 480 de Freitas, T.A., 603 Dehler, S.A., 1782 Deino, A.L., 2101 Dereppe, J.-M., 743 de Souza, H., 1123 Dever, L., 806 Dingus, L., 1981 Dixon, J.M., 893 Doherty, W., 1123 Doig, R., 474, 1056

Dong, Z.-M., 1997, 2096, 2107, 2153, 2163, 2174, 2177, 2248 Dostal, J., 2283

Dredge, L.A., 553 Dubessy, J., 743 Duke, N.A., 1566 Dunning, G.R., 2328 Duvall, M.L., 1753 Easterbrook, D.J., 1815 Easton, R.M., 2523 Eberth, D.A., 174, 2101, 2180, 2196 Egeland, A.K., 420

El Hassani, A., 1332 Ellis, R.M., 1014, 1427, 1440, 2389

Embry, A.F., 301 England, J., 1749 Ermanovics, I., 1470 Emst. R.E., 1886 Fanning, M., 769 Farmer, G.L., 519 Farrar, E., 893 Fleet, M.E., 985 Foit, F.F., Jr., 535 Ford, R.C., 1566 Fox, R.C., 814

Francis, D., 132 Friele, P.A., 832 Fulton, R.J., 232 Fyfe, W.S., 908 Gariépy, C., 1056, 1458 Geary, E.E., 1306 Ghaleb, B., 1730 Ghazi, A.M., 1644 Gibb, R.A., 243 Giles, P.S., 449 Goble, R.J., 1644 Godfrey, S.J., 2255

Gower, C.F., 1674 Gradstein, F.M., 391 Grant, D.R., 1242 Gray, J., 1676 Gray, L.-B., 975 Greenough, J.D., 1607 Greenwood, D.R., 1914 Gros, Y., 113 Guilbault, J.-P., 1715 Gulson, B.L., 2366 Gunn, S.H., 975

Goulet, N., 1521

Haggart, J.W., 918 Hajnal, Z., 621 Hamblin, A.P., 174 Hanmer, S., 649, 1458 Harington, C.R., 1242, 1715 Harlan, S.S., 1415

Harlan, S.S., 1415 Harms, T.A., 1898 Harris, A.G., 2404 Harris, C., 1708 Heaman, L., 1490 Hein, F.J., 553 Hendriks, M., 1594 Héquette, A., 103 Héroux, Y., 1881 Hickin, E.J., 841 Higgins, M.D., 1453 Hill, P.R., 103

Hill, P.R., 103 Hillaire-Marcel, C., 1730 Hodych, J.P., 645 Hoepffner, C., 1332 Hofer, J.W., 1236 Hole, J.A., 1427, 1440 Holm, D.K., 913 Holst, T.B., 913 Hood, P.J., 243 Homer, J.R., 997, 1066

Hoy, L., 1934 Huang, Z., 391, 1385 Hubert, C., 1924 Hughes, O.L., 851 Hutchinson, I., 832 Indares, A., 159 Irish, D.E., 413 Jamieson, R.A., 1594 Jansa, L.F., 2495 Jébrak, M., 1521 Jenner, G.A., 434 Jennings, E.A., 1955 Jennings, S.C., 1374 Jerzykiewicz, T., 2180 Johnston, P.A., 2180 Jowett, E.C., 413, 1028 Juteau, M., 731

Juteau, M., 731 Kalamarides, R.I., 1141 Kamo, S.L., 1607 Kasprzyk, A., 1799 Kaufman, D.S., 519, 1753 Keen, C.E., 1782 Keppie, J.D., 2283

Kerr, A., 2328 Kerrich, R., 2334 King, R., 2334 Kirkwood, D., 1363

Kissin, S.A., 1955

Klaper, E.M., 867 Knox, L.A., 1618 Koster, E.H., 2180

Kristiansen, I.L., 391 Krogh, T.E., 1490, 1607

Kuc, M., 954 Kumarapeli, P.S., 1254 La Flèche, M.R., 1110

Lafrance, B., 1549 Lambert, R.StJ., 1076 Lancelot, J.R., 720 Landais, P., 743 Landing, E., 1618

Laurent, R., 2283 Lauriol, B., 1676 Lee, P.J., 321 Lentz, D.R., 647

Lenz, A.C., 491 Lerbekmo, J.F., 769 Lewis, T.J., 480

Lewkowicz, A.G., 1708 Lewry, J.F., 1338 Li, H., 1404

Lian, O.B., 841 Lightfoot, P.C., 1123 Lin, S., 1773

Loncarevic, B.D., 2495 Long, B.F., 553 Longerich, H.P., 2352

Lowe, C., 77 Ludden, J., 132 Ludden, J.N., 1110

Lukosius-Sanders, J., 145

Lux, D.R., 913 Lyatsky, H.V., 918 Macdonald, A.S., 1 MacDonald, D.L., 2273 Machado, N., 1458 Mackay, J.R., 509, 1720

Mackay, J.R., 509, 172 MacLean, W.H., 1934 Malo, M., 591, 1363 Manley, W.F., 1753 Marlin, C., 806 Marlow, M.S., 975 Marquis, R., 1254

Martel, A.T., 1091 Mathews, W.H., 499 Mattison, B.W., 94 Maxwell, M.G., 109 Maynard, J.B., 60, 1209

Mayr, U., 603

McAndrews, J.H., 2436 McArthur, J.R., 1955 McEachem, S., 649 McEachern, S.J., 1155

McGowan, C., 1197

McGregor, D.C., 1091 McNee, J.J., 1099

McRoberts, C.A., 819

McSaveney, M.J., 1861

Mehringer, P.J., Jr., 535

Michard, A., 731 Miller, G.H., 519, 1753

Miller, R.B., 1306

Miller, R.R., 647

Mitchell, R.H., 145

Mizon, K.J., 2366

Moisy, M., 113

Monger, J.W.H., 209

Moogk-Pickard, S., 145

Morgan, A.V., 954, 1007

Morin, D., 1521 Morley, L.W., 243

Morris, T.F., 2436

Morris, W.A., 1741

Morse, S.A., 1166

Mortensen, J.K., 11, 29, 42, 1286, 1970

Mott, R.J., 1242 Mudie, P.J., 1385 Mueller, B., 1099

Muller, E.H., 1829

Murphy, J.B., 474, 2273

Murphy, J.M., 764

Murthy, G., 776 Mustoe, G.E., 1205

Nance, R.D., 474

Naylor, B.G., 814

Nelson, J.L., 631

Nessov, L., 2255

Nessov, L.A., 2214

Newitt, L.R., 372 Nicholls, E.L., 486

Ogg, J.G., 391

O'Hara, S.L., 1846

Ohnenstetter, D., 1582

Ohta, Y., 867

O'Leary, D.M., 2389

Orford, J.D., 1374 Orth, C.J., 1870

Pacquet, A., 674, 720

Pagel, M., 651, 731 Pan, H., 1028

Pan, Y., 985

Parrish, R.R., 465, 2305, 2526

Patey, K.S., 1532 Pätzold, R., 776

Pedersen, T.F., 1099

Pelletier, C.A., 1099

Peltier, W.R., 881

Peng, J.-H., 2013, 2128, 2139, 2214, 2224

Pe-Piper, G., 2495

Percival. J.B., 689

Philippe, S., 720, 2315

Philp, R.P., 743

Piasecki, M.A.J., 2481

Pillet, D., 2423

Piqué, A., 1332

Platt, R.G., 145

Potts, S.S., 644

Prosh, E.C., 2465

Ranalli, G., 77

Rappol, M., 201

D 1 DE 040

Ready, E.E., 243

Reyx, J., 705 Ricard, J., 1676

Richards, D.R., 1898

D' 1 1/2 1061

Ricker, K.E., 1861

Rimi, A., 1049

Robert, F., 1924

Roberts, W., 1324

Robinson, P.T., 1650

Roddick, J.C., 1470

Rodrigues, C.G., 1390

Roest, W.R., 261

Roger, G., 1582

Rogers, R.R., 1066

Rohon, M.-L., 1582

Roscoe, S.M., 2475

Ruhlmann, F., 651, 705

Russell, D.A., 2002, 2082, 2101, 2107, 2163

Ruz, M.-H., 103

Sager-Kinsman, E.A., 465, 2526

Sangster, D.F., 1028

Sauer, E.K., 420, 1224

Savoy, L.E., 2404

Sawatzky, P., 243

Schärer, U., 2315

Schweger, C.E., 851

Scott, D.J., 1458

Séa, F., 1553

Seifert, K.E., 1275

Sevigny, J.H., 2305

Seymour, K.L., 243

Sharpe, D.R., 928

Sheppard, J.C., 535

Sherlock, R.L., 413, 1955

Shilts, W.W., 201, 333

Skulski, T., 1505

Smith, A.D., 48, 1505

Smith, B.D., 413

Smith, I.R., 1749

Solheim, L.P., 881

Spence, G.D., 787

Stamatakos, J., 644

Stanley, G.D., Jr., 819

St-Antoine, P., 1881 Starkey, J., 1355

Stauffer, M.R., 1338

Stearn, C.W., 575, 1668, 2465

Stenzel, S.R., 1759

Stockmal, G.S., 1759

Storer, J.E., 1613

Giorei, J.L., 1015

Stott, G.M., 1179, 2523

Stravers, J.A., 1753

Struik, L.C., 1262

Suchy, D.R., 575, 1668

Sutton, S.J., 60, 1209

Swinden, H.S., 434

Swisher, C.C. III, 769, 1066, 1981

Symons, D.T.A., 1028

Symons, D.1.A., 1026

Syvitski, J.P.M., 354, 553

Szabo, J.P., 1236

Tanguay, M.G., 1553

Tarney, J., 1490

Tarnocai, C., 851

Tate, M.C., 2295

Teskey, D.J., 243

Tinkler, K.J., 945

Torrance, J.K., 689

Torrance, s.re., oo.

Toulhoat, P., 754

Treves, S.B., 1644

Trudel, C., 591

Trudel, P., 1553 Tucker, R.D., 2328

Turpin, L., 731

1 uipiii, L., 731

Utting, J., 1091 Vachier, P., 806 Vallières, S., 1730

van Breemen, O., 1155, 1453

Vandall, T.A., 1037

van der Pluijm, B.A., 644

Van der Voo, R., 644

Van Kranendonk, M.J., 1470

Van Schmus, W.R., 1275

vali Scillius, w.K., 12

Varricchio, D.J., 997

Vauchez, A., 1297

Verhoef, J., 261

Vialette, Y., 1582

Vidal, Ph., 1582

Vilks, G., 1390

Villinger, H., 480

Vu, L., 1924

Waldron, J.W.F., 1759

Wall, J.H., 94

wall, J.11., 54

Wallin, E.T, 1275

Wang, K., 1660, 1870

Wardle, R., 1490

Wardle, R.J., 2315

Wares, R.P., 1505

Weber, F., 674

Westrop, S.R., 1618

Wheeler, J.O., 203

White, C.E., 1

Whitney, D.L., 1306

Williney, D.L., 150

Wiebe, R.A., 1141

Wijbrans, J.R., 769

Willett, S.D., 1594 Williams, H., 1547, 2481

Williams, P.F., 1324, 1549

Wilton, D.H.C., 1532, 2352

WIIIOII, D.II.C., 1332.

Windom, K.E., 1275

Wong, F.L., 975 Yu, Y., 1166

Zartman, R.E., 2510

7 1. D.C. 1014

Zelt, B.C., 1014 Zentilli, M., 1594

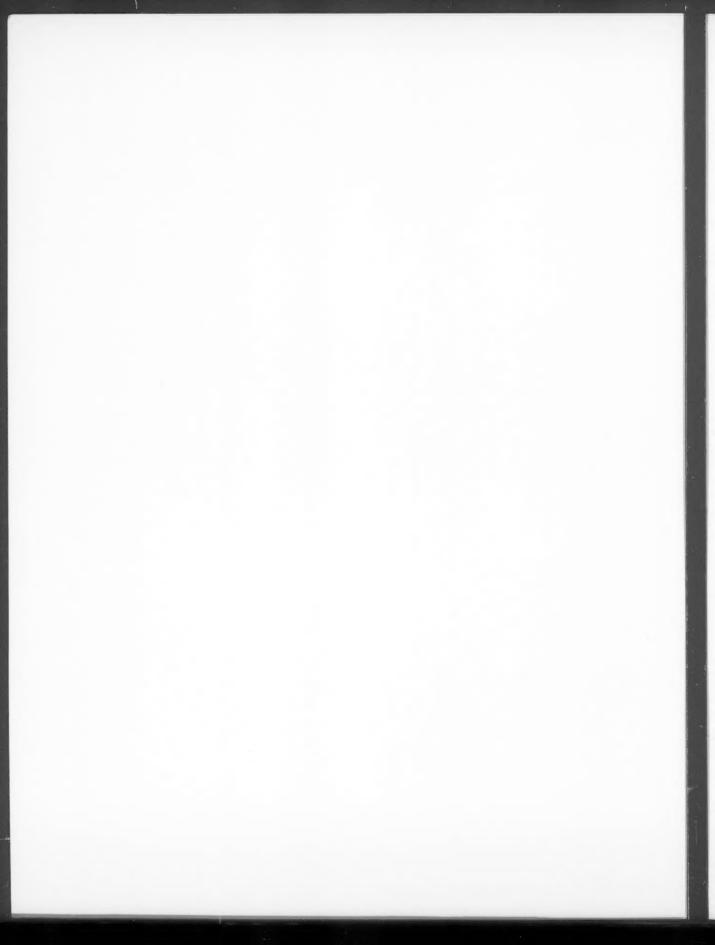
Zhao, X.-J., 2027, 2037, 2231

Zheng, J.-J., 2180

Zheng, Z., 2082

Zhou, M.-F., 1650

Zhu, C., 621



Canadian Journal of Earth Sciences

Revue canadienne des sciences de la Terre

Volume 30, 1993 Subject Index / Index des matières¹

Abitibi Belt		algae		Newfoundland, Proterozo	ic 7: 1470-1489
Archean	1: 11-28	calcareous algae		ancient ice ages	
	1: 29-41; 1: 42-47; 9:	Atlantic Ocean	2:391-411	Yukon Territory, stratigra	
	1970-1980	Indian Ocean	2:391-411	phy	9: 1870-1880
geochemistry	7: 1521-1531	nannofossils		Anderson Lake	
gold ores	3: 413-419	Atlantic Ocean	2:391-411	hydrology	6: 1099-1109
9:	1924-1933; 12: 2334-	Indian Ocean	2: 391-411	andesites	
	2351	algal flora		Quebec, metal ores	9: 1934-1954
magmas	1: 124-131	nannofossils		anorthosite	
metal ores	9: 1934-1954	Atlantic Ocean	2:391-411	Labrador	
stratigraphy	9: 1886-1897	Indian Ocean	2: 391-411	geochemistry	6: 1141-1146
Abitibi County Quebe	c see Chibougamau	Algoma District Ontario see B	lind River On-	Proterozoic	6: 1166-1178
Quebec; Val d'Or Qu	iebec	tario; Elliot Lake Ontario		Newfoundland	
absolute age see also Ar	r/Ar; C-14; K/Ar;	Algonquin Arch	10.0452.0464	geochemistry	6: 1141-1146
Pb/Pb; Rb/Sr; Sm/No	i; Th/U; U/Pb; ura-	sedimentary petrology	12: 2453-2464	Proterozoic	6: 1166-1178
nium disequilibrium		aliphatic hydrocarbons see alka		Quebec, Proterozoic	7: 1453-1457
Ontario, Proterozoic	12: 2523-2527	alkali basalts see also basanite		Anthozoa see Zoantharia	7 42 -
abyssolith see batholiths		Labrador, geochemistry	6: 1141-1146	Antigonish County Nova S	
Acadian Phase		Newfoundland, geochemis-	C 1141 1146	geochemistry	12: 2273-2282
Newfoundland	4: 776-786	try	6: 1141-1146	Anyox District	1 40 50
orogeny	9: 1759-1772	alkali feldspar see sanidine		metal ores	1:48-59
Quebec, structural geo	1-	alkaline earth metals see calciu	m; strontium	apatite	4.7(4.7(0
ogy	3: 591-602; 7: 1363-	alkanes see methane alluvial fans		Alaska, gold ores	4: 764-768
-67	1373		0. 1046 1050	Newfoundland, geochrone	8: 1594-1606
action, frost see frost act	ion	Alberta, Quaternary Alxa Desert	9: 1846-1852	ogy	8: 1394-1000
actual age (absolute age)			-11:2107-2127	Aphebian Canada	8: 1582-1593
aegirine	, see absorate age	Alxasaurus elesitaiensis	-11:2107-2127	Appalachians see also Ava	
Alberta, petrology	8: 1644-1649		-11:2107-2127	Devonian	12: 2328-2333
Africa see North Africa;		amargosite see bentonite	-11: 2107-2127	geochemistry	3: 449-464
aggradation	West Allica	Ambystomatidae		gold ores	7: 1532-1546
00	4.041.050	Vertebrata	4: 814-818	natural gas	9: 1881-1885
Quaternary	4: 841-850	amethyst	4: 014-010		9: 1759-1772
Agnew Lake Ontario	(1000 1000	Ontario, non-metal deposits	9: 1955-1969	orogeny structural geology 3:	591-602; 7: 1363-
sedimentary petrology		ammonoids	9. 1933-1909	structural geology 3.	1373
Agnotozoic see Proteroz	COIC	Saskatchewan, geochronol-		Piedmont	7: 1297-1305
Aillik Group		ogy	4: 769-775	Aptian	7. 1277-1303
uranium ores	12: 2352-2365	Amphibia	4. 105-115	China	10-11:2101-2106
Alaska see also Arctic (Lissamphibia, Alberta	4: 814-818	Ar/Ar	10-11.2101-2100
geochemistry	5: 975-984	amphibole group see also clir		Canada, stratigraphy	1: 174-200
gold ores, Fairbanks n	nining	Ontario, petrology	5: 985-996	China, palynomorphs	10-11: 2101-2106
district	4: 764-768	amphibolite see amphibolites	5. 705-770	Labrador, Proterozoic	6: 1166-1178
Quaternary	1: 103-108	amphibolite facies		Minnesota, Proterozoic	5: 913-917
Vertebrata	5: 1007-1013	Georgia, structural geology	7: 1297-1305	Montana	3.713-717
Alberta see also Banff	Formation; Belly	Washington, structural geol-		geochronology	5: 1066-1075
River Formation; Ca	nadian Cordillera;	ogy	7: 1306-1323	paleomagnetism	9: 1981-1996
Canadian Rocky Mo	ountains; Cold Lake;	amphibolites	7. 1500-1545	Newfoundland, Proterozo	
Judith River Formati	ion; Mannville	Quebec, geochemistry	6: 1110-1122	Nova Scotia, geochemistr	
Group; Oldman Form	mation; Palliser For-	Anahim volcanic belt	0.1110-1122	United States, stratigraph	
mation; Paskapoo Fo	ormation; Purcell Sys-	geochemistry	1: 132-144	Archean	y 1.174-200
tem		analcime	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Canadian Shield	1: 42-47
Quaternary, Dinosaur	Provin-	Alberta, petrology	8: 1644-1649	Minnesota	12: 2510-2522
cial Park	9: 1846-1852	Anapsida see Chelonia		Northwest Territories	8: 1566-1581
sedimentary rocks	8: 1660-1667	anatexis		Ontario	1: 29-41
tectonics	3:621-630	British Columbia, geochem-		- 11100E	79-1196; 12: 2366-
Vertebrata, Dinosaur		istry	5: 1076-1090	0.11	2379
cial Park	10-11: 2231-2247	Labrador, Proterozoic	7: 1470-1489	Quebec	1: 11-28

Prepared from the GeoRef data base at the American Geological Institute, 4220 King Street, Alexandria, VA 22302, U.S.A.

	1: 29-41; 6: 1110-1122;	Atlantic Ocean		basalts see also alkali basalts	; tholeiite; tho-
amahaa	9: 1970-1980	Quaternary Frobisher Bay	8: 1749-1758	British Columbia, structural	1
arches Ontario, sediment	toes matrol	Gulf of Saint	8: 1/49-1/38	geology	3: 631-643
ogy	12: 2453-2464	Lawrence	3: 553-574; 7: 1390-		0-11:2101-2106
	nithischia; Saurischia	Lawience	1403	Newfoundland, structural g	
arcs, island see isla		Labrador Sea	7: 1385-1389	ology	12: 2495-2509
Arctic Archipelage		stratigraphy	2: 391-411	Nova Scotia, structural geol	
Eocene	9: 1914-1923	structural geology	12: 2495-2509	ogy	12: 2495-2509
Invertebrata	8: 1634-1643	tectonophysics	2: 261-277; 9: 1782-	basanite	12.2170 2007
Jurassic	2: 301-320	tectonophysics	1798	Alaska, geochemistry	5: 975-984
petrology	4: 867-880	atmospheric precipitati		British Columbia, geochem	
Quaternary	5: 928-944	Northwest Territories,		istry	1: 132-144
Quaternary	5: 954-974; 8: 1708-	ternary	8: 1720-1729	base metals	
	1714; 8: 1749-1758	Attawapiskat Formatio		Ontario	12: 2366-2379
stratigraphy	3: 491-498; 12: 2465-	Silurian	3: 575-590	basins see also back-arc basi	ns; foreland ba-
Strangraphy	2474	Attawapiskat River	3.373 370	sins	
structural geology		structural geology	8: 1668-1673	British Columbia	
Arctic Coastal Pla	,	Au see gold	01 1000 1010	geophysical surveys	7: 1427-1439
Quaternary	3: 519-534	augite		metal ores	1:48-59
Arctic Islands see		Alberta, petrology	8: 1644-1649	petroleum	5:918-927
	also Baffin Bay; ODP Site	Australasia see New Zea		structural geology	3: 631-643
645	aso Bailin Bay, ODI Sic	Avalon Peninsula		tectonophysics	4: 787-805
Jurassic	2: 301-320	Silurian	8: 1607-1612	Canada	
Quaternary, Beau		Avalon Terrane	0. 1007 1012	petroleum	2: 321-332
fort Sea	1: 103-108; 3: 519-534		1147-1154; 12: 2273-	stratigraphy	12: 2404-2422
Arctic region see	71	goodining	2282	tectonics	3:621-630
permafrost	3: 509-518	Proterozoic	1: 1-10; 3: 474-479	tectonophysics	9: 1782-1798
Quaternary	8: 1720-1729	structural geology	12: 2495-2509	Morocco, petroleum	5: 1049-1055
Arctic Coastal		Avalon Zone	12. 2475-2507	Northwest Territories	
Vertebrata	5: 1007-1013	Devonian	12: 2328-2333	Jurassic	2:301-320
Arctic Sea see Arct		Silurian	8: 1607-1612	structural geology	3:603-620
Arctodus simus yı		Aves	6. 1007-1012	Nova Scotia, geochemistry	
Vertebrata	5: 1007-1013	Neornithes, China	10-11:2177-2179	United States, stratigraphy	12: 2404-2422
argon-argon see Ar		Axel Heiberg Island	10-11.21//-21//	Basswood Lake Intrusion	
Arizona	7754	Eocene	9: 1914-1923	geochemistry	6: 1123-1140
stratigraphy, Gila	County Ar-	back-arc basins	7.1711120	batholiths	
izona	7: 1415-1426	faults	9: 1773-1781	British Columbia	
Arthropoda	see Mandibulata;	Baculites reesidei Zone		geochemistry	5: 1076-1090
Trilobitomorph		geochronology	4: 769-775	geochronology	12: 2305-2314
arthropods see inse		baddeleyite	1. 102 113	Minnesota, geochemistry	12: 2510-2522
Artiodactyla see Ri		Newfoundland, Siluria	n 8: 1607-1612	Ontario, Archean	6: 1179-1196
Ashtabula County		Ontario, Proterozoic	6: 1286-1296	Bathurst Island	2 401 400
Quaternary	6: 1236-1241	Proterozoic	7: 1490-1504	stratigraphy	3: 491-498
Ashtabula Till	0.1230-1241	Quebec	1.1170 1001	bathymetric maps	
Quaternary	6: 1236-1241	Archean	1: 11-28	Pacific Ocean, tectonophys	
Asia see also Far E		gold ores	12: 2334-2351	ics	2: 278-300
Uzbekistan	Just, Illituary as,	Proterozoic	6: 1286-1296	Bayan Mandahu China	10 11 0107 0010
palynomorphs, G	iohi Des-	Badenian	0112001230		10-11: 2196-2213
ert	10-11:2101-2106	Poland	9: 1799-1814	0.1.	10-11: 2180-2195
petrology, Indus-		Badger Group		Vertebrata 10-11	1: 2224-2230; 10-
Zangbo suture:		tectonics	12: 2481-2494	Beaufort Sea	11: 2248-2254
sedimentation, G		Baffin Bay	12: 2448-2452		100. 2. 510 524
ert	10-11: 2196-2213	Baffin Island	12: 2448-2452		3-108; 3: 519-534
	Desert 10-11: 2224-2230	Quaternary	5: 954-974; 8: 1749-	bedding plane irregularities	
Aspy Terrane	Descrit 10-11. 2224-2230	Quaternary	1758	tures; flute casts; ripple n bedforms	HdI KS
faults	9: 1773-1781	Bagaceratops	******	Ontario, geomorphology	5: 945-953
asymmetric folds	2.1773 1701	Vertebrata	10-11: 2248-2254	Beekmantown Group	3. 743-733
New Brunswick	7: 1324-1331	Baie Verte Peninsula	10 1112210 2251		9: 1881-1885
Athabasca Distric		gold ores	7: 1532-1546	natural gas Belly River Formation	9. 1001-1003
metal ores	4: 689-704; 4: 743-753	banded iron formations		beny River Formation	1: 174-200
uranium ores	4: 651-763	Banff Formation	12: 2404-2422	belts, fold see fold belts	1.174-200
MIMILIANI OLOS	4: 653-673; 4: 674-688;	Barlow Inlet Formatio		belts, greenstone see greenst	one helts
	4: 705-719; 4: 720-730;	Invertebrata	8: 1634-1643	belts, volcanic see volcanic l	
	4: 731-742; 4: 754-763	Barnes ice cap	0. 1054 1045	bentonite	owned.
Athabasca Forma		Quaternary	5:954-974	Montana	
uranium ores	4: 653-673	barometry, geologic see		geochronology	5: 1066-1075
	ee Athabasca District	basaltic domes see shiel		paleomagnetism	9: 1981-1996
				1	

Saskatchewan, geochronol-		black shale		Saskatchewan, metal ores	4:743-753
ogy ,	4: 769-775	Canada, stratigraphy	12: 2404-2422	Spitsbergen, Quaternary	4: 806-813
Bering Sea		United States, stratigraphy	12: 2404-2422	Yukon Territory, stratigra-	
geochemistry, Navarin Basin		Blind River Ontario		phy	9: 1870-1880
Quaternary	3: 519-534	sedimentary petrology	6: 1209-1223	C-14	
biogenic structures see biohe	rms; bioturba-	bloating shale see shale		Alaska	
tion		block structures		Quaternary	1: 103-108
biogeography see also contine		British Columbia, petroleum	5: 918-927	Vertebrata	5: 1007-1013
Canada, stratigraphy	12: 2465-2474	Saskatchewan, Quaternary	6: 1224-1235	British Columbia, Quater-	
Far East, Vertebrata 10-	-11: 2096-2100	Blue Fiord Formation		nary	4: 832-840
Quebec, Quaternary	8: 1715-1719	stratigraphy	12: 2465-2474	Canada, Quaternary	8: 1676-1696
United States, stratigraphy	12: 2465-2474	blue lead see galena		Montana, Quaternary	3: 535-552
bioherms		body waves see P-waves		New Brunswick, Quaternary	6: 1242-1253
British Columbia, stratigra-		bone beds		New York, Quaternary	9: 1829-1845
phy	4: 819-831	Montana, Vertebrata	5:997-1006	Northwest Territories, Qua-	
biologic evolution see also cla		Bonner County Idaho		ternary 1: 103-1	08; 5: 954-974
Northwest Territories	3: 491-498	stratigraphy	12: 2404-2422	Nova Scotia, Quaternary	6: 1242-1253
biological zones see biozones		Boothia Uplift		Ontario, Quaternary	12: 2436-2447
biometry		structural geology	3:603-620	Quaternary	4: 841-850
Alaska, Vertebrata	5: 1007-1013	Botwood Group		Quebec, Quaternary 7: 1390-	
	-11: 2255-2272	stratigraphy	3: 644-646		1719
British Columbia, Vertebrata		tectonics	12: 2481-2494	Washington, Quaternary	3: 535-552
	-11: 2027-2036	boundaries, stratigraphic sec	e stratigraphic	Ca see calcium	
	2107-2127; 10-	boundary		Cadillac tectonic zone	
	53-2162; 10-11:	Boundary County Idaho		geochemistry	7: 1521-1531
216	63-2173; 10-11:	stratigraphy	12: 2404-2422	Caenagnathidae	
	2177-2179	boundstone			-11: 2255-2272
New York, Trilobita	8: 1618-1633	Ontario, Silurian	3: 575-590	calcareous algae	
Ontario, Quaternary	12: 2436-2447	Bourlamaque Pluton		Atlantic Ocean, stratigraphy	2: 391-411
South Dakota, Vertebrata 10		gold ores	9: 1924-1933	Indian Ocean, stratigraphy	2: 391-411
	11: 2255-2272	Bovidae		calcareous nannofossils see na	nnofossils
Vertebrata	8: 1613-1617	Ontario, Quaternary	12: 2436-2447	calcite	
biopelite see black shale		Bras d'Or Terrane		Arctic region, Quaternary	4: 806-813
biostratigraphy see ammono		faults	9: 1773-1781	Spitsbergen, Quaternary	4: 806-813
conodonts; dinoflagellates		breccia		calcium	
graptolites; mammals; m		British Columbia, structural		Arctic region, Quaternary	4: 806-813
lusks; nannofossils; pale		geology	3: 631-643	Spitsbergen, Quaternary	4: 806-813
ynomorphs; plants		Quebec, magmas	1: 124-131	Caledonian Orogeny	
stromatoporoids; trilobites		brines	0 1055 1010	Morocco, structural geology	7: 1332-1337
biotite	E 100E 100E	Ontario	9: 1955-1969	Call Mill Formation	
Georgia, structural geology	7: 1297-1305	Brisson Lake	10 0100 0105	Cambrian	6: 1254-1261
Minnesota, Proterozoic	5: 913-917	petrology	12: 2423-2435	Cambrian	
Montana, geochronology	5: 1066-1075	British Columbia see also Ba		Quebec	6: 1254-1261
Saskatchewan, geochronol-	4 3/0 335	Canadian Cordillera; Cana		Campanian	2021 2247 10
ogy	4: 769-775	Mountains; Coast Mountai		Alberta 10-11:	2231-2247; 10-
biotite granite		Group; Queen Charlotte Ba	asın; vainana	Chi 10.11	11: 2255-2272
British Columbia	E. 1077 1000	Complex; Wrangellia	1, 122 144	China 10-11:	2180-2195; 10-
geochemistry	5: 1076-1090 12: 2305-2314	geochemistry Omineca Belt	1: 132-144 5: 1076-1090	Saskatchewan	11: 2196-2213
geochronology	12: 2303-2314				4: 769-775
bioturbation	12, 2452 2464	hydrology	3: 499-508		-11: 2255-2272 -11: 2255-2272
Ontario	12: 2453-2464	Quaternary	9: 1815-1828		
biozones Atlantic Ocean, stratigraphy	2: 391-411	Vancouver Island	4: 832-840	Canada see also Eastern Cana	
	2: 391-411	Vertebrata	3: 486-490	cal Survey of Canada; Wes	
				Devonian, Avalon Zone	12: 2328-2333
Canada, stratigraphy	12: 2465-2474	Britt Granodiorite	10.0510.0522	Coults Constitut Contillant	E. 1014 1027
Canada, stratigraphy Indian Ocean, stratigraphy	12: 2465-2474 2: 391-411	geochemistry	12: 2510-2522	faults, Canadian Cordillera	5: 1014-1027
Canada, stratigraphy Indian Ocean, stratigraphy New York, Trilobita	12: 2465-2474 2: 391-411 8: 1618-1633	geochemistry Brogger Peninsula		geochemistry	
Canada, stratigraphy Indian Ocean, stratigraphy New York, Trilobita Quebec, Quaternary	12: 2465-2474 2: 391-411	geochemistry Brogger Peninsula Quaternary	12: 2510-2522 4: 806-813	geochemistry Canadian Cordillera	5: 1076-1090
Canada, stratigraphy Indian Ocean, stratigraphy New York, Trilobita Quebec, Quaternary Saskatchewan, geochronol-	12: 2465-2474 2: 391-411 8: 1618-1633 7: 1390-1403	geochemistry Brogger Peninsula Quaternary Bugaboo Batholith	4: 806-813	geochemistry Canadian Cordillera Labrador Trough	5: 1076-1090 7: 1505-1520
Canada, stratigraphy Indian Ocean, stratigraphy New York, Trilobita Quebec, Quaternary Saskatchewan, geochronol- ogy	12: 2465-2474 2: 391-411 8: 1618-1633 7: 1390-1403 4: 769-775	geochemistry Brogger Peninsula Quaternary Bugaboo Batholith geochemistry		geochemistry Canadian Cordillera Labrador Trough Ungava	5: 1076-1090 7: 1505-1520
Canada, stratigraphy Indian Ocean, stratigraphy New York, Trilobita Quebec, Quaternary Saskatchewan, geochronology United States, stratigraphy	12: 2465-2474 2: 391-411 8: 1618-1633 7: 1390-1403	geochemistry Brogger Peninsula Quaternary Bugaboo Batholith geochemistry Bugow Deposit	4: 806-813 5: 1076-1090	geochemistry Canadian Cordillera Labrador Trough Ungava geochronology	5: 1076-1090 7: 1505-1520 7: 1505-1520
Canada, stratigraphy Indian Ocean, stratigraphy New York, Trilobita Quebec, Quaternary Saskatchewan, geochronology United States, stratigraphy birds	12: 2465-2474 2: 391-411 8: 1618-1633 7: 1390-1403 4: 769-775 12: 2465-2474	geochemistry Brogger Peninsula Quaternary Bugaboo Batholith geochemistry Bugow Deposit gold ores	4: 806-813	geochemistry Canadian Cordillera Labrador Trough Ungava geochronology Canadian Cordillera	5: 1076-1090 7: 1505-1520 7: 1505-1520 12: 2305-2314
Canada, stratigraphy Indian Ocean, stratigraphy New York, Trilobita Quebec, Quaternary Saskatchewan, geochronology United States, stratigraphy birds stratigraphy	12: 2465-2474 2: 391-411 8: 1618-1633 7: 1390-1403 4: 769-775	geochemistry Brogger Peninsula Quatemary Bugaboo Batholith geochemistry Bugow Deposit gold ores burial metamorphism	4: 806-813 5: 1076-1090	geochemistry Canadian Cordillera Labrador Trough Ungava geochronology Canadian Cordillera Labrador Trough	5: 1076-1090 7: 1505-1520 7: 1505-1520 12: 2305-2314 8: 1582-1593
Canada, stratigraphy Indian Ocean, stratigraphy New York, Trilobita Quebec, Quaternary Saskatchewan, geochronology United States, stratigraphy birds stratigraphy Bissekty Formation	12: 2465-2474 2: 391-411 8: 1618-1633 7: 1390-1403 4: 769-775 12: 2465-2474 6: 1205-1208	geochemistry Brogger Peninsula Quatemary Bugaboo Batholith geochemistry Bugow Deposit gold ores burial metamorphism Newfoundland, geochronol-	4: 806-813 5: 1076-1090 8: 1566-1581	geochemistry Canadian Cordillera Labrador Trough Ungava geochronology Canadian Cordillera Labrador Trough Ungava	5: 1076-1090 7: 1505-1520 7: 1505-1520 12: 2305-2314 8: 1582-1593 8: 1582-1593
Canada, stratigraphy Indian Ocean, stratigraphy New York, Trilobita Quebec, Quaternary Saskatchewan, geochronology United States, stratigraphy birds stratigraphy Bissekty Formation	12: 2465-2474 2: 391-411 8: 1618-1633 7: 1390-1403 4: 769-775 12: 2465-2474 6: 1205-1208 2214-2223; 10-	geochemistry Brogger Peninsula Quaternary Bugaboo Batholith geochemistry Bugow Deposit gold ores burial metamorphism Newfoundland, geochronology	4: 806-813 5: 1076-1090	geochemistry Canadian Cordillera Labrador Trough Ungava geochronology Canadian Cordillera Labrador Trough Ungava metal ores, Canadian Cordil	5: 1076-1090 7: 1505-1520 7: 1505-1520 12: 2305-2314 8: 1582-1593 8: 1582-1593
Canada, stratigraphy Indian Ocean, stratigraphy New York, Trilobita Quebec, Quaternary Saskatchewan, geochronology United States, stratigraphy birds stratigraphy Bissekty Formation Vertebrata 10-11:	12: 2465-2474 2: 391-411 8: 1618-1633 7: 1390-1403 4: 769-775 12: 2465-2474 6: 1205-1208	geochemistry Brogger Peninsula Quaternary Bugaboo Batholith geochemistry Bugow Deposit gold ores burial metamorphism Newfoundland, geochronology Burin Peninsula	4: 806-813 5: 1076-1090 8: 1566-1581 8: 1594-1606	geochemistry Canadian Cordillera Labrador Trough Ungava geochronology Canadian Cordillera Labrador Trough Ungava metal ores, Canadian Cordillera	5: 1076-1090 7: 1505-1520 7: 1505-1520 12: 2305-2314 8: 1582-1593 8: 1582-1593
Canada, stratigraphy Indian Ocean, stratigraphy New York, Trilobita Quebec, Quaternary Saskatchewan, geochronology United States, stratigraphy birds stratigraphy Bissekty Formation Vertebrata 10-11: bitumens	12: 2465-2474 2: 391-411 8: 1618-1633 7: 1390-1403 4: 769-775 12: 2465-2474 6: 1205-1208 2214-2223; 10- 11: 2255-2272	geochemistry Brogger Peninsula Quaternary Bugaboo Batholith geochemistry Bugow Deposit gold ores burial metamorphism Newfoundland, geochronology Burin Peninsula structural geology	4: 806-813 5: 1076-1090 8: 1566-1581	geochemistry Canadian Cordillera Labrador Trough Ungava geochronology Canadian Cordillera Labrador Trough Ungava metal ores, Canadian Cordillera oil sands, Cold Lake	5: 1076-1090 7: 1505-1520 7: 1505-1520 12: 2305-2314 8: 1582-1593 8: 1582-1593 1: 48-59 1: 94-102
Canada, stratigraphy Indian Ocean, stratigraphy New York, Trilobita Quebec, Quaternary Saskatchewan, geochronology United States, stratigraphy birds stratigraphy Bissekty Formation Vertebrata 10-11: bitumens Saskatchewan	12: 2465-2474 2: 391-411 8: 1618-1633 7: 1390-1403 4: 769-775 12: 2465-2474 6: 1205-1208 2214-2223; 10- 11: 2255-2272 4: 743-753	geochemistry Brogger Peninsula Quaternary Bugaboo Batholith geochemistry Bugow Deposit gold ores burial metamorphism Newfoundland, geochronology Burin Peninsula structural geology C-13/C-12	4: 806-813 5: 1076-1090 8: 1566-1581 8: 1594-1606 12: 2495-2509	geochemistry Canadian Cordillera Labrador Trough Ungava geochronology Canadian Cordillera Labrador Trough Ungava metal ores, Canadian Cordillera oil sands, Cold Lake petrology, Ungava	5: 1076-1090 7: 1505-1520 7: 1505-1520 12: 2305-2314 8: 1582-1593 8: 1582-1593 1: 48-59 1: 94-102
Canada, stratigraphy Indian Ocean, stratigraphy New York, Trilobita Quebec, Quaternary Saskatchewan, geochronology United States, stratigraphy birds stratigraphy Bissekty Formation Vertebrata 10-11: bitumens	12: 2465-2474 2: 391-411 8: 1618-1633 7: 1390-1403 4: 769-775 12: 2465-2474 6: 1205-1208 2214-2223; 10- 11: 2255-2272 4: 743-753	geochemistry Brogger Peninsula Quaternary Bugaboo Batholith geochemistry Bugow Deposit gold ores burial metamorphism Newfoundland, geochronology Burin Peninsula structural geology	4: 806-813 5: 1076-1090 8: 1566-1581 8: 1594-1606	geochemistry Canadian Cordillera Labrador Trough Ungava geochronology Canadian Cordillera Labrador Trough Ungava metal ores, Canadian Cordillera oil sands, Cold Lake	5: 1076-1090 7: 1505-1520 7: 1505-1520 12: 2305-2314 8: 1582-1593 8: 1582-1593 1: 48-59 1: 94-102

Silurian	Ungava	8: 1676-1696	Cape Cormorant Formatio	n	Central Metasedimentary B	Belt
Silurian					geochronology 3: 4	65-473; 6: 1155-
Canadian Cordillera 12-2404-2422 Canadian Cordillera 12-2404-2422 Structural geology 12-2402-243 Canadian Cordillera 17-793 Canadian Cordillera 17-793 Canadian Cordillera 17-793 Canadian Cordillera 17-794 Canadian Cordillera 17-794 Canadian Cordillera 17-795 Canadian Rocky Mountains 17-795 Canadian Rocky Mountains 17-795 Canadian Rocky Mountains 17-795 Canadian Rocky Mountains 17-795 Canadian Shield zee also Furonian Contain 17-195 Carbonale Shield zee also Europian Co	Avalon Zone	8: 1607-1612	Cape Saint Marys			1165
Canadian Cordillera 12: 2404-2422 Canadian Cordillera 12: 2404-2422 Structural geology 12: 2402-2422 Structu	Hudson Bay Lowlands	s 3: 575-590		8: 1607-1612	Proterozoic	12: 2523-2527
Canadian Cordillera 12: 2404-2422 Carbon Canadian Cordillera Canadian Cordille					tectonics	3: 647-650
Canadian Cordillera 2: 209-231 Sukatchewan 4: 806-813 China 10-11: 2: 2380-2403 Canadian Cordillera 2: 209-231 Sukatchewan 4: 743-733 China 10-11: 2: 2380-2403 Canadian Cordillera 1: 77-93 Canadian Cordillera 1: 77-93 Canadian Cordillera 1: 77-93 Canadian Cordillera C		12: 2404-2422			Central Mineral Belt	
structural geology Canadian Cordillera 1-74-12: 2392-2403 Hudson Bay Lowlands tectonics, Canadian Cordillera faults 5: 1014-1027 geochemistry 5: 1076-1090 geochemistry 1: 2404-2422 Ganadian Brokely Mountains stratigraphy 1: 2404-2422 Canadian Rokely Mountains stratigraphy 1: 2240-2422 Canadian Rokely Mountains stratigraphy 1: 2240-2422 Canadian Shield see also Huronian; Ontain Archean Abitibi Belt 1: 129-41: 1: 42-4479; Geochemistry 6: 1101-1122; 6: 1123- Abitibi Belt 1: 29-41: 1: 42-4479; Geochemistry 6: 1101-1122; 6: 1123- Abitibi Belt 1: 29-41: 1: 42-4479; Geochemistry 6: 1101-1122; 6: 1123- Abitibi Belt 1: 29-41: 1: 42-4479; Geochemistry 6: 1101-1122; 6: 1123- Abitibi Belt 1: 29-41: 1: 42-4479; Geochemistry 6: 1101-1122; 6: 1123- Abitibi Belt 1: 29-41: 1: 42-4479; Geochemistry 6: 1101-1122; 6: 1123- Abitibi Belt 1: 29-41: 1: 42-4479; Geochemistry 6: 1101-1122; 6: 1123- Abitibi Belt 1: 29-41: 1: 42-4479; Geochemistry 6: 1101-1122; 6: 1123- Abitibi Belt 1: 29-41: 1: 42-4479; Geochemistry 6: 1101-1122; 6: 1123- Abitibi Belt 1: 29-41: 1: 42-4479; Geochemistry 6: 1101-1122; 6: 1123- Abitibi Belt 1: 29-41: 1: 42-4479; Geochemistry 6: 1101-1122; 6: 1123- Abitibi Belt 1: 29-41: 1: 42-4479; Geochemistry 6: 1101-1122; 6: 1123- Abitibi Belt 1: 29-41: 1: 42-4479; Geochemistry 6: 1101-1122; 6: 1123- Abitibi Belt 7: 512-1531 Slave Province 8: 1566-1581 lead-zinc deposits 1: 202-412-2222 geochemology Central Metasedimentary Belt 1: 2102-2222 Carbonal Robels Abitibi Belt 7: 122-410-2222 Carbonal Robels 8: 1566-1581 lead-zinc deposits 1: 22-401-2222 Carbonal Robels 8: 122-401-2222 Carbonal Robels 8: 122-401-2222 Carbonal Robels 8: 122-401-2222 Carbonal Robels 8: 122-401-2222 Carbonal Robels 8: 122-401-222 Carbonal Robel						12: 2352-2365
Canadian Cordillera 2: 209-231 3: 631-643; 6: 1262- 1274; 12: 2389-2403 1: 77-93						12. 2552 2505
Canadian Cordillera 2: 290-231 3: 631-643; 6: 1262-1274 12: 2389-2403 Yukon Territory 9: 1870-1880 Yukon Territory 9: 1870-1890 Yukon Territory 9		12. 2404-2422				
Saisate Spitsburgen Spit		0 000 001	Quebec	9: 1881-1885		0 11 0040 0054
Hudson Bay Lowlands 12-2349-2403 Vakon Territory 9: 1870-1880 Pulson Bay Lowlands 16-18-18-18-18-18-18-18-18-18-18-18-18-18-			Saskatchewan	4: 743-753		0-11: 2248-2254
Hudson Bay Lowlands tectonics, Canadian Cordillera 1:77-93			Spitsbergen	4: 806-813		
Hudson Bay Lowlands 1:107-108 1:103-	12	274; 12: 2389-2403		9: 1870-1880	Yukon Territory, stratigra-	
Lectonics, Canadian Cordillera 1:77-93 Canadian Cordillera 1:77-93 Ganedian Cordillera 1:77-93 Ganedian Cordillera 5:104-1027 geochemistry 5:1076-1090 geochemoslogy 12:2305-2314 metal ores 1:48-59 stratigraphy 12:2404-2422 structural geology 2:209-231 3:631-6435, 6:1262 1274; 12:2389-3403 tectonics 1:77-93 Canadian Rocky Mountains stratigraphy 12:2404-2422 Canadian Shield see also Huronian; Ontario Archean Abitibi Belt 1:129-411; 11-28 1:29-41; 1:42-47; 9 1970-1980 Superior Province 6:179-1196 Geochemistry 6:1110-1122; 6:1123-187 Slave Province 8:156-61581 lead-zinc deposits 1:22:346-2379 petrology, Wawa Belt 1:22:346-2379 petrology, Wawa Belt 1:124-131 metal ores 1:124-131 metal ores 1:124-131 metal ores 1:124-131 metal ores 1:122-135 Slave Province 6:1275-1285 Proterozoic 1:22:2352-2372 Superior Province 6:1275-1285 Superior Province 5:128-1285 Superior Province 6:1275-1285 Superior Province 6:1286-1296 stratigraphy, Abitibi Belt 1:124-131 metal ores	Hudson Bay Lowlands	s 8: 1668-1673			phy	9: 1870-1880
Canadian Cordillera Faults S. 1014-1027 gocchemistry S. 1076-1090 gocchronology 12-205-2314 metal ores 1-48-9 stratigraphy 12-2404-2422 structural geology 2-209-231 tectonics 1-77-93 tectonics 1-2404-2422 Quebec 7-1390-1403 & 171-159 gocchemistry 6-1110-1122, 6-1123-131 waws Belt 1-24-131 metal ores 1-125-6 trail Metasedimentary Poterozoic Proterozoic Proterozoic Proterozoic Central Metasedimentary Belt uranium ores, Churchill Metasedimentary Belt stratigraphy 1-2404-2422 trail dead-gocchemistry 1-22-253-2575 Superior Province 6-1286-1296 Proterozoic Central Metasedimentary Belt uranium ores, Churchill Province 6-1286-1296 Structural geology 1-2-253-2575 Camos Ridge structural geology 1-2-253-2575 Camos Ridge structural geology 1-2-253-2575 Camos Ridge structural geology 1-2-253-2576 Camos Ridge structural geology 1-2-245-259 Cape Breton Island goochemistry 6-1147-1154 Carbonifics ere ballotilits 1-12-131 Carbonificous see calcive 1-12-131 Carbonificous see also Mississippian; Pennistian 1-12-1	tectonics, Canadian Cord	il-		02 100, 5, 1007	chain silicates see amphibol	e group; pyrox-
British Columbia	lera	1:77-93	Alaska 1. I		ene group	
Faults S. 1014-1027 Schools S. 1076-1090 Secchonology 12-205-2314 Montana 3. 535-552 New Brunswick S. 1262-1251 Structural geology 2. 2040-2422 Superior Province S. 117-18 Superior Province S. 117-18 Size Province S. 115-18 Superior Province S. 1165-185 Supe	Canadian Cordillera		B :: 1 G 1 1:			a chambers
geochemistry 5: 1076-1090 Monitana 3: 535-552 New Brunswick 6: 1242-1253 Situating phy 12: 2404-2422 Situating geology 2: 209-233 New York 9: 1829-1845 New Brunswick 6: 1242-1253 New York 9: 1829-1845 New Brunswick 6: 1242-1253 New York 9: 1829-1845 New York 9: 1829-1845 Northwest Territories 1: 103-108; 5: 954-974 Nora Scotia 6: 1242-1253 Northwest Territories 1: 103-108; 5: 954-974 Nora Scotia 6: 1242-1253 Northwest Territories 1: 2: 2404-2422 Canadian Shield see also Huronian; Ontario Archean 1: 22-44-242 Canadian Shield see also Huronian; Ontario Archean 1: 29-41; 1: 42-47; 9: 1970-1980 Superior Province 6: 1110-1122; 6: 1123-1143 Wawa Belt 12: 2510-2522 geochronology Central Metasedimentary 1: 103-108; 9: 1934-1945 New Foundate ramps 1: 22-404-2422 Canadian Shield see also Huronian; Ontario 1: 22-404-2422 Canadian Shield see also Huronian; Ontario 1: 22-404-2422 Canadian Shield see also Huronian; Ontario 1: 22-401-2422 Canadian Straigraphy 1: 2: 2404-2422 Canadian Straigrap		5.1014-1027				
Champsosauridae New Brunswick G. 1242-1255 New York Stratigraphy 12: 2404-2422 Structural geology 2: 299-231 Stratigraphy 12: 2404-2422 Structural geology 2: 299-231 Norwheest Terrintories 1: 17-93 Stratigraphy 12: 2404-2422 Canadian Shteld see also Huronian; ontario Archean Stratigraphy 12: 240-2422 Canadian Shteld see also Huronian; ontario Archean Abitibi Belt 1: 11-28 1: 19-106 Superior Province 6: 1179-1196 geochemistry 6: 1110-1122: 6: 1123-						8: 1715-1719
New York			Montana	3: 535-552		0. 1/13-1/17
Northwest Ter- Intoinis Int			New Brunswick	6: 1242-1253		0 11 0150 0170
Structural geology			New York	9: 1829-1845		0-11:2153-2162
structural geology 2: 209-231 3: 631-643; 6: 1262- 1274; 12: 2389-2403 tectonics 1: 77-93 Canadian Rocky Mountains stratigraphy 1: 2: 404-2422 Canadian Shield see also Huronian; Ontaio Archean Abitibi Belt 1: 11-28	stratigraphy	12: 2404-2422	Northwest Ter-			
1274; 12: 2389-2403	structural geology	2: 209-231		3-108: 5: 954-974		8: 1582-1593
1274; 12: 2389-2403 12: 77-93 12: 77-93 12: 2436-2447 Quaternary 1: 103-108; 25 12: 2404-2422 Canadian Shield see also Huronian; Ontario Archean 1: 29-41; 1: 42-47; 9; 1970-1980 1: 29-41; 1: 42-47; 9; 1970-1980 1: 29-41; 1: 42-47; 9; 1970-1980 24-bon-14 see C-14 24-bon-14 see also boundstone; 24-bon-14 see a	3	: 631-643; 6: 1262-			changes of level see also eus	tacy; isostasy
Canadian Rocky Mountains stratigraphy see also Huronian; Ontario Archean Abitibi Belt 1: 129-41; 1: 42-47; 9; 1970-1980 Superior Province 6: 1179-1196 geochemistry 6: 1110-1122; 6: 1123- upochemistry 6: 1110-1122; 6: 1125- gold ores Abitibi Belt 7: 1521-1531 Wawa Belt 12: 2510-2522 geochronology, Central Metasedimentary Belt 23: 455-473; 6: 1155- gold ores Abitibi Belt 9: 1924-1933, 12: 2334- Abitibi Belt 9: 1924-1933, 12: 2345- Abitibi Belt 9: 1924-1934, 12: 2340-2422 Tontario, Quatermary 7: Ontario, Quatermary 12: carbon ada, stratigraphy 12: 2404-2422 Contario, Quatermary 12: carbon dioxide 2 carbon ada, stratigraphy 12: 2404-2422 Contario, Quatermary 7: Ontario, Quatermary 9: 12: 2404-2422 Contario, Quatermary 12: 2404-2422 Contario, Quatermary 9: 12: 2404-2422 Contario, Quatermary						
Canadian Socky Mountains stratigraphy 12: 2404-2422 Quebec 7: 1390-1403; 8: 1715- Nova Scotia, Quaternary 7: 1390-1402; 9: 12: 2404-2422 Notaria, park Nova Scotia, Quaternary 7: 1390-1402; 9: 12: 2404-2422 Notaria, park Nova Scotia, Quaternary 7: 1390-1402; 9: 12: 2404-2422 Notaria, park Nova Scotia, Quaternary 7: 1390-1402; 9: 12: 2404-2422 Notaria, park Nova Scotia, Quaternary 7: 1390-1402; 9: 12: 2404-2422 Notaria, park Nova Scotia, Quaternary 7: 1390-1402; 9: 12: 2404-2422 Notaria, park Nova Scotia, quaternary						
Stratigraphy 12: 2404-2422 Canadian Sheld see also Huronian; Ontario Archean 1: 19-41; 1: 42-47; 9: 1970-1980 Superior Province 6: 1179-1196 geochemistry 6: 1110-1122; 6: 1123-1140 Abitibi Belt 7: 1511-1531 Wawa Belt 12: 2510-2522 geochronology, Central Metasedimentary Belt 3: 465-473; 6: 1155-165 Slave Province 8: 1566-1581 Slave Province 8: 1566-1581 Slave Province 8: 1566-1581 Superior Province 12: 2352-2572 petrology, Wawa Belt 1: 124-131 metal ores Abitibi Belt 9: 1934-1954 Superior Province 12: 2362-2379 petrology, Wawa Belt 12: 2523-2572 Superior Province 12: 2523-2572 Superior Province 12: 2562-2579 petrology, Wawa Belt 12: 2523-2572 Superior Province 6: 1275-1285 Proterozoic Canada Metasedimentary Belt uranium ores, Churchill Province Canada Canad						4: 832-840
Canadian Shield see also Huronian; Ontario Archean 1: 11-28 1: 29-41; 1: 42-47; 9: 1970-1980 Superior Province 6: 1179-1196 geochemistry 6: 1110-1122; 6: 1123-			Quebec 7: 139			
Archean Abitibi Belt 1: 29-41; 1: 42-47; 9: 1970-1980 Superior Province geochemistry 6: 1110-1122; 6: 1123-1140 Abitibi Belt 7: 1521-1531 Wawa Belt geochemistry 6: 112-2510-2522 geochronology, Central Metasedimentary Belt 3: 465-473; 6: 1155-59lad-zince deposits Abitibi Belt 9: 1924-1933; 12: 2334-99: 125-1531 Slave Province 8: 1566-1581 Slave Province 8: 1566-1581 New Brunswick Abitibi Belt 9: 1934-1954 Superior Province 12: 2366-2379 petrology, Wawa Belt Procambrian, Superior Province Central Metasedimentary Belt 12: 2523-2527 Superior Province 12: 2366-2379 petrology, Wawa Belt Procambrian, Superior Province Central Metasedimentary Belt 12: 2523-2527 Superior Province Central Metasedimentary						
Abitibi Belt 1: 11-28 1: 29-41; 1: 42-47; 9: 1970-1980 1970-1980 1970-1980 1970-1980 1970-1980 1970-1980 1980 1980-193		Huronian; Untario	Washington	3: 535-552		1: 103-108
1: 29-41; 1: 42-47; 9: 1970-1980 superior Province geochemistry 6: 1170-1122; 6: 1123-1531 Wawa Belt 7: 1521-1531 Ontario, sedimentary petrology Geochemistry 6: 1100-1122; 6: 1123-1531 Ontario, sedimentary petrology Geochemistry 6: 1100-1122; 6: 1123-1531 Ontario, sedimentary petrology Geochemistry 6: 1100-112; 2510-2522 geochemistry 6: 1150-2522 geochemistry 6: 1150-2522 geochemistry 6: 1150-2522 geochemistry 9: 1924-1933; 12: 2314-2412 Carbonate rocks see also boundstone; arbonate rocks see also boundstone; one trail Metasedimentary Belt 8: 1566-1581 New Brunswick 7: 1324-1331 Ne			carbon dioxide			7: 1374-1384
arbon-14 see C-14 carbonate ramps Superior Province geochemistry 6: 1110-1122; 6: 1123 Abitibi Belt 7: 1521-1531 Waw Belt 12: 2510-2522 geochronology, Central Metasedimentary Belt 3: 465-473; 6: 1155 gold ores Abitibi Belt 9: 1924-1933; 12: 2334 2351 Slave Province 1924-1933; 12: 2334 Superior Province 1924-1934; 12: 2346-2422 Superior Province 1924-1934; 12: 2346-2422 Superior Province 1924-1934; 12: 2346-2422 Superior Province 1924-1934; 12: 2404-2422 Superior Province 1924-1934; 12: 2366-2379 Petrology, Wawa Belt 192-236-2379 Superior Province 192-236-2372 Superior Province 192-				3 - 413 - 419		12: 2436-2447
1970-1980 2470	1:	29-41; 1: 42-47; 9:		51 115 117	channels see also gorges; str	eamflow
superior Province geochemistry 6: 1110-1122; 6: 1123- 1140 Abitübi Belt 7: 1521-1531 Wawa Belt 12: 2510-2522 geochronology, Central Metasedimentary Belt 3: 465-473; 6: 1155- 1165 gold ores Abitübi Belt 9: 1924-1933; 12: 2334- 2331 Slave Province 8: 1566-1581 New Foundland 9: 1799-1814 Carbonate ramps 12: 2404-2422 Carbonate ramps 12: 2404-2422 Carbonate ramps 12: 2404-2422 United States, stratigraphy 12: 2404-2422 Carbonate ramps 12: 2404-2422 United States, stratigraphy 12: 2404-2422 Carbonate ramps 12: 2404-2422 United States, stratigraphy 12: 2404-2422 Carbonate ramps 12: 2404-2422 United States, stratigraphy 12: 2404-2422 Carbonate ramps 12: 2404-2422 United States, stratigraphy 12: 2404-2422 Carbonate ramps 12: 2404-2422 United States, stratigraphy 12: 2404-2422 Carbonate ramps 12: 2404-2422 United States, stratigraphy 12: 2404-2422 United States, stratigraphy 12: 2404-2422 United States, stratigraphy 12: 2404-2422 Carbonate ramps 12: 2404-2422 United States, stratigraphy 12: 2404-2422 United States 12:		1970-1980		11	Alberta	9: 1846-1852
Canada, stratigraphy 12: 2404-2422 Chelan County Washington structural geology 7: The chemically precipitated rocks see also boundstone; 10-11: 2128 11: 2139-219 11: 2139-218 11: 21	Superior Province	6: 1179-1196		snate	Northwest Territories, Qua-	
Abitibi Belt 7: 1521-1531 Wawa Belt 12: 2510-2522 geochronology, Central Metasedimentary Belt 3: 465-473; 6: 1155- gold ores Abitibi Belt 9: 1924-1933; 12: 2334- Slave Province 8: 1566-1581 metal ores Abitibi Belt 9: 1934-1954 Superior Province 12: 2366-2379 petrology, Wawa Belt Proterozoic Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1275-1285 Proterozoic Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1275-1285 Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry Proterozoic 1: 1-10 Abitibi Belt 7: 1521-1531 Ontario, sedimentary petrology 12: 2403-2422 United States, stratigraphy 12: 2403-2422 United States 12: 2403-2422 United States 12: 2404-2422 United Stat			carbonate ramps			5: 928-944
Abitibi Belt 7: 1521-1531 Wawa Belt 12: 2510-2522 ogy 12: 2453-2464 United States, stratigraphy 12: 2404-2422 carbonate rocks see also boundstone; dolostone; limestone dolostone; limestone 11: 2139-21 Poland 9: 1799-1814 carbonates see calcite Carboniferous see also Mississippian; Pennsylvanian Dinantian, Georgia 7: 1297-1305 Cherical precipitated rocks see also mississippian; Pennsylvanian Dinantian, Georgia 7: 1297-1305 Cherical precipitated rocks see also Mississippian; Pennsylvanian Dinantian, Georgia 7: 1297-1305 Chericamp Lake Gneiss faults (arbonates see also Mississippian; Pennsylvanian Dinantian, Georgia 7: 1324-1331 Carbonates see also Mississippian; Pennsylvanian Dinantian, Georgia 7: 1324-1331 Newfoundland 4: 776-786 Chericamp Lake Gneiss faults (arbonates see also Mississippian; Pennsylvanian Dinantian, Georgia 7: 1324-1331 Carboniterous see Archean Penterology, Wawa Belt 9: 1934-1954 Superior Province 12: 2366-2379 petrology, Wawa Belt Precambrian, Superior Province 6: 1275-1285 Proterozoic Central Metasedimentary Belt Uranium ores, Churchill Province 4: 651-763 Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry 6: 1147-1154 Proterozoic 1: 1-10 Central Europe see Poland central granite see also boundstone; dolostone; limestone 9: 1799-1814 (arbonates see also boundstone; dolostone; limestone 9: 1799-1814 (arbonates see also Mississispipian; Pennsylvanian 0: 1799-1814 (arbonates see also Mississispipian; Pen	geochemastry 0. 1		Canada, stratigraphy	12: 2404-2422		
Wawa Belt 12: 2510-2522 geochronology, Central Metasedimentary Belt 3: 465-473; 6: 1155- gold ores Abitibi Belt 3: 413-419 9: 1924-1933; 12: 2334- 2351 Slave Province 8: 1566-1581 New Brunswick 7: 1324-1331 Bela-zinc deposits 5: 1028-1036 magmas, Abitibi Belt 1: 124-131 metal ores Abitibi Belt 9: 1934-1954 Superior Province 12: 2366-2379 petrology, Wawa Belt 5: 985-996 Precambrian, Superior Province Central Metasedimentary Belt 1: 25510-2522 Superior Province 6: 1286-1296 stratigraphy, Abitibi Belt 9: 1886-1897 tectonics, Central Metasedimentary Belt 3: 647-650 uranium ores, Churchill Province 4: 651-763 Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry 6: 1147-1154 Proterozoic 1: 1-10 Proterozoic 2- Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry 6: 1147-1154 Proterozoic 1: 1-10 Proterozoic 2- Carlos Quaternary (2): 2404-2422 Carlos Quaternary (3): 2404-2422 Carlos Quaternary (4): 2404-2422 Carlos Quaternary (5): 2404-2422 Carlos Quaternary (5): 2404-2422 Carlos Quaternary (5): 2404-2422 Carlos Quaternary (7): 2404-2422 Carlos Quaternary (5): 2404-2422 Carlos Quaternary (6): 112: 2305-2379 Carnosaurla Carnosau	A11.11 TO 1.			1-		
geochronology, Central Metasedimentary Belt 3: 465-473; 6: 1155- 2165 ary Belt 3: 413-419 9: 1924-1933; 12: 2344- 2325 ary Belt 3: 413-419 9: 1924-1933; 12: 2344- 2325 ary Belt 3: 413-419 9: 1924-1933; 12: 2334- 2335 arg Belt 3: 5: 1028-1036 arg Belt 3: 124-131 arg Belt 3: 124-131 arg Belt 3: 2366-2379 arg Belt 3: 2523-2527 Superior Province 4: 2523-2527 Superior Province 5: 1275-1285 arg Belt 3: 647-650 arg Belt arg Belt 3: 2495-2509 arg Belt 3: 11-114 arg Belt 3: 2495-2509 arg Belt 3: 11-114 arg Belt 3: 2495-2509 arg Belt 3: 2495-2509 arg Belt 3: 2495-2509 arg Belt 3: 2495-2509 arg Belt 3: 11-114 arg Belt 3: 2495-2509						7: 1306-1323
tral Metasedimentary Belt 3: 465-473; 6: 1155- gold ores Abitibi Belt 3: 413-419 9: 1924-1933; 12: 2334- 2351 Slave Province 8: 1566-1581 lead-zinc deposits 5: 1028-1036 magmas, Abitibi Belt 9: 1934-194 Superior Province 12: 2366-2379 petrology, Wawa Belt Proterzoic Central Metasedimentary Belt 3: 465-473; 6: 1155- 1165 gold ores Abitibi Belt 3: 413-419 9: 1924-1933; 12: 2334- 2351 Slave Province 8: 1566-1581 New Brunswick 7: 1324-1331 metal ores Abitibi Belt 9: 1934-1954 Superior Province 12: 2366-2379 petrology, Wawa Belt Proterzoic Central Metasedimentary Belt 3: 647-650 stratigraphy, Abitibi Belt 9: 1886-1897 tectonics, Central Metasedimentary Belt uranium ores, Churchill Province 4: 651-763 Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry 6: 1147-1154 Proterzoic 1: 1-10 carbonates see also boundstone; 10-11: 2128 dolostone; limestone 9: 1799-1814 carbonates see also Mississippian; Pennsylvanian 10-11: 2139-21305 New Brunswick 7: 1297-1305 New Brunswick 7: 1324-1331 stratigraphy 9: Cheticamp Lake Gneiss faults 9: Cheticamp Lake Gneiss fa		12: 2510-2522				
ary Belt 3: 465-473; 6: 1155- gold ores Abitibi Belt 9: 1924-1933; 12: 2334- 2351 Slave Province 8: 1566-1581 New Brunswick 7: 1324-1331 lead-zinc deposits 5: 1028-1036 magmas, Abitibi Belt 1: 124-131 metal ores Abitibi Belt 9: 1934-1954 Superior Province 12: 2366-2379 petrology, Wawa Belt Proterozoic Central Metasedimentary Belt uranium ores, Churchill Province 6: 1286-1296 stratigraphy, Abitibi Belt 12: 2523-2527 Superior Province 6: 1286-1296 stratigraphy, Abitibi Belt 12: 2523-2527 Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry 6: 117-1154 dolostone; limestone 9: 1799-1814 carbonates see calcite Carboniferous see also Mississispipain; Pennsylvanian 9: 17: 1297-1305 chemically precipitated rocks see of iron formations chert stratigraphy 9: 1829-1305 chemically precipitated rocks see of iron formations chert stratigraphy 9: 1829-1305 chemically precipitated rocks see of iron formations chert stratigraphy 9: 1829-1305 chemically precipitated rocks see of iron formations chert stratigraphy 9: 1829-1305 chemically precipitated rocks see of iron formations chert chemically precipitated rocks see of iron formations chert stratigraphy 9: 1829-1305 chemically precipitated rocks see of iron formations chert chemically precipitated rocks see of chemically precipitated rocks see of chemically precipitated rocks see of chemically precipitated rocks see o					China	0-11:2013-2026
gold ores Abitibi Belt 9: 1924-1933; 12: 2334- 2351 Slave Province lead-zinc deposits 5: 1028-1036 magmas, Abitibi Belt 1: 124-131 metal ores Abitibi Belt 9: 1934-1954 Superior Province 12: 2366-2379 petrology, Wawa Belt Proterozoic Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1275-1285 Proterozoic Central Metasedimentary Belt 12: 2523-2527 Superior Province 13: 2523-2527 Superior Province 14: 651-763 Metasedimentary Belt 15: 2406-2509 uranium ores, Churchill Province Canso Ridge structural geology 12: 2495-2509 Cap Breton Island geochemistry Proterozoic 1: 1-10 Poland 9: 1799-1814 Uzbekistan 10-11: co- chemically precipitated rocks see of iron formations chemt chemically precipitated rocks see of iron formations chemically precipitated rocks see of itohemically precipitated rocks see of statilization for itohemically precipitated rocks see of statilization formations chert statigraphy Abi	tral Metasediment-			oundstone;	10-11	: 2128-2138; 10-
Poland 9: 1799-1814 carbonates see calcite Carboniferous see also Mississippian; Pennsylvanian 10-11: 10	ary Belt 3	: 465-473; 6: 1155-	dolostone; limestone		11: 2	139-2152; 10-11:
carbonates see calcite Carboniferous see also Mississippian; Pennsylvanian 9: 1924-1933; 12: 2334 2351 Slave Province 8: 1566-1581 lead-zinc deposits 5: 1028-1036 Magmas, Abitibi Belt 1: 124-131 metal ores Abitibi Belt 9: 1934-1954 Superior Province 12: 2366-2379 petrology, Wawa Belt Proterozoic Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1275-1285 Proterozoic Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1286-1296 stratigraphy, Abitibi Belt 12: 2523-2527 Superior Province 6: 1286-1296 stratigraphy, Abitibi Belt 12: 2523-2527 Superior Province Carbonaferous see also Mississisppian; Pennsylvanian Dinantian, Georgia 7: 1297-1305 New Brunswick 7: 1324-1331 Newfoundland 4: 776-786 Cheticamp Lake Gneiss faults 9: Cheticamp	*	1165	Poland	9: 1799-1814		2214-2223
Abitibi Belt 9: 1924-1933; 12: 2334- 2351 Slave Province 8: 1566-1581 lead-zinc deposits 5: 1028-1036 magmas, Abitibi Belt 1: 124-131 metal ores Abitibi Belt 9: 1934-1954 Superior Province 12: 2366-2379 petrology, Wawa Belt Proterozoic Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1285-1285 Superior Province 6: 1286-1896 stratigraphy, Abitibi Belt 12: 2523-2527 Metasedimentary Belt uranium ores, Churchill Province Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry Proterozoic 1: 1-10 Abitibi Belt 9: 1934-1954 Canada 12: 2404-2422 Canada 12: 2404-2422 Chibougamau Quebec Archean Chert stratigraphy 9: stratigraphy 9: tratigraphy 9: The stratigraphy 9: The stratigraphy 7: Cherzetcook Inlet Quatermary 7: Chibougamau Quebec Archean Chic-Chocs Plateau Chic-Chocs Plateau Carnosauria Vertebrata 10-11: 2037-2081 Cascade Range structural geology 7: 1306-1323 Cascade Range structural geology 7:	gold ores	*****	carbonates see calcite		Uzhekistan	0-11: 2214-2223
9: 1924-1933; 12: 2334 2351 Slave Province 8: 1566-1581 lead-zinc deposits 5: 1028-1036 magmas, Abitibi Belt 1: 124-131 metal ores Abitibi Belt 9: 1934-1954 Superior Province 12: 2366-2379 petrology, Wawa Belt Proterozoic Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1275-1285 Superior Province 12: 2538-296 Proterozoic Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1286-1296 Stratigraphy, Abitibi Belt 12: 2523-2527 Mew Brunswick 7: 1324-1331 Newfoundland 4: 776-786 Cheticamp Lake Gneiss faults 9: Chezzetcook Inlet Quaternary 7: Chibougamau Quebec Archean Carnosauria Vertebrata 10-11: 2037-2081 Carnivora see Fissipeda; Pinnipedia Carnosauria Vertebrata 10-11: 2037-2081 Cascade Range structural geology 7: 1306-1323 Cascade Range structural geology 7: 1306-1323 Superior Province 6: 1286-1296 Carnivora see Fissipeda; Pinnipedia Cascade Range structural geology 7: 1306-1323 China see also Gansu China; Huna Loner Mongolia China; Shandor Xinjiang China; Xizang China Mesozoic 10-11: 2139 Cable See Gerium Censorios see Quaternary; Tertiary cathodoluminescence 6: 1209-1223 Carlon County Minnesota Proterozoic Carnos Ridge structural geology 7: 1306-1323 Carlon County Minnesota Proterozoic Carlon County Min		3 - 413 - 410		sissinnian Pen-		
Slave Province 8: 1566-1581 New Brunswick 7: 1324-1331 stratigraphy 9: dead-zinc deposits 5: 1028-1036 New Foundland 4: 776-786 Cheticamp Lake Gneiss faults 9: 1028-1036 New Goundland 4: 776-786 Cheticamp Lake Gneiss faults 9: 1028-1036 New Goundland 4: 776-786 Cheticamp Lake Gneiss faults 9: 1028-1036 New Goundland 4: 776-786 Cheticamp Lake Gneiss faults 9: 1028-1036 New Goundland 4: 776-786 Cheticamp Lake Gneiss faults 9: 1028-1036 New Goundland 4: 776-786 Cheticamp Lake Gneiss faults 9: 1028-1036 New Goundland 4: 776-786 Cheticamp Lake Gneiss faults 9: 1028-1036 New Goundland 4: 776-786 Cheticamp Lake Gneiss faults 9: 1028-1036 New Goundland 4: 708-786 Cheticamp Lake Gneiss faults 9: 1028-1049 New Goundland 4: 708-786 Cheticamp Lake Gneiss faults 9: 1028-1049 New Goundland 4: 708-786 Cheticamp Lake Gneiss faults 9: 1028-1049 New Goundland 4: 708-786 Cheticamp Lake Gneiss faults 9: 1028-1049 New Goundland 4: 708-786 New Fromeosal 12: 2404-2422 Ounternary 7: 1008-1049 New Goundland 4: 708-786 New Fromeosal 12: 2404-2422 Ounternary 9: 1028-1049 New Goundland 4: 708-786 New Fromeosal 12: 2404-2422 Ounternary 9: 1028-1049 New Goundland 4: 708-786 New Fromeosal 12: 2404-2422 Ounternary 9: 1028-1049 New Goundland 4: 708-786 New Fromeosal 12: 2404-2422 Ounternary 9: 1028-1049 New Goundland 4: 708-786 New Fromeosal 12: 2404-2422 Ounternary 9: 1028-1049 New Goundland 4: 708-786 New Fromeosal 12: 2404-2422 Ounternary 9: 1028-1049 New Goundland 4: 708-786 New Fromeosal 12: 2404-2422 Ounternary 9: 1028-1049 New Goundland 4: 708-786 New Fromeosal 12: 2404-2422 Ounternary 9: 1028-1049 New Fromeosal 12: 2404-2422 Ounternary 9: 108-1049 New Fromeosal 10-11: 2037-2081 Cascade Range Structural geology 10-11: 2037-2081 New Fromeosal 10-11: 2037-2081 New				sissippian, i on		s see evapornes,
Slave Province 8: 1566-1581 New Brunswick 7: 1324-1331 stratigraphy 9: lead-zinc deposits 5: 1028-1036 Newfoundland 4: 776-786 Cheticamp Lake Gneiss faults 9: Detection of the process of	9: 19		-	5 1005 1005		
lead-zinc deposits magmas, Abitibi Belt 1: 124-131 Saskatchewan 4: 776-786 Metasedimentary Belt stratigraphy, Abitibi Belt argument ores, Central Metasedimentary Bectonicy, Central Metasedimentary Bet uranium ores, Churchill Province 4: 651-763 Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry Proterozoic 1: 1-10 Canso Ridge Saskatchewan 4: 776-786 Saskatchewan 4: 776-786 Saskatchewan 4: 776-786 Saskatchewan 4: 770-730 Tournaisian 4: 770-786 Saskatchewan 4: 720-730 Tournaisian 5: 1018-1020 Saskatchewan 4: 720-730 Tournaisian 5: 1018-12: 2404-2422 Chibougamau Quebec Archean Chic-Chocs Plateau Quatemary 9: 1829-1845 Carnivora see Fissipeda; Pinnipedia Carnosauria 10-11: 2037-2081 Cascade Range structural geology 7: 1306-1323 Casts, flute see flute casts catalogs 10-11: 2153-21 Sathodoluminescence 6: 1209-1223 Casto See Quaternary 9: 1829-1845 Canso Ridge Structural geology 12: 2495-2509 Cape Breton Island geochemistry 6: 1147-1154 Central Burope see Poland geochemistry 6: 1147-1154 Central Burope see Poland central granite see batholiths	a					
magmas, Abitibi Belt netal ores Abitibi Belt 9: 1934-1954 Superior Province 12: 2366-2379 petrology, Wawa Belt Precambrian, Superior Province nince Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1286-1296 stratigraphy, Abitibi Belt 12: 2523-2527 Metasedimentary Belt aranium ores, Churchill Province Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry Proterozoic 1: 1-10 Saskatchewan 4: 720-730 Canada 12: 2404-2422 United States 12: 2404-2422 United States 12: 2404-2422 Carlon County Minnesota Proterozoic 5: 913-917 Carnivora see Fissipeda; Pinnipedia Carnosauria Vertebrata 10-11: 2037-2081 Cascade Range structural geology 7: 1306-1323 catalogs New York, Quaternary 9: 1829-1845 catalogs New York, Quaternary 9: 1829-1845 cathodoluminescence 6: 1209-1223 Carborite review of hibrory for hibror			New Brunswick	7: 1324-1331		9: 1898-1913
magmas, Abitibi Belt netal ores Abitibi Belt 9: 1934-1954 Superior Province 12: 2366-2379 petrology, Wawa Belt Precambrian, Superior Province of Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1286-1296 stratigraphy, Abitibi Belt 12: 2523-2527 Metasedimentary Belt uranium ores, Churchill Province Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry Proterozoic 6: 1147-1154 Proterozoic 1: 1-10 Saskatchewan 4: 720-730 Canada 12: 2404-2422 United States 12: 2404-2422 Chibougamau Quebec Archean Chic-Chocs Plateau Quatemary 9: Chia see also Gansu China; Hunas Inner Mongolia China; Shandor Xinjiang China; Xizang China Mesozoic 10-11: Vertebrata, Ordos Basin 10-11: 2133-21 Vertebrata 9: 1829-1845 Carnivora see Fissipeda; Pinnipedia Carnosauria 10-11: 2037-2081 Cascade Range structural geology 7: 1306-1323 Catalogs New York, Quaternary 9: 1829-1845 Cathodoluminescence 6: 1209-1223 Cathodoluminescence 6: 1209-1223 Carbos Ridge Structural geology 12: 2495-2509 Cape Breton Island geochemistry 6: 1147-1154 Proterozoic 1: 1-10 Canada 12: 2404-2422 Chibougamau Quebec Archean Chic-Chocs Plateau Quatemary 9: Chia see also Gansu China; Hunas Inner Mongolia China; Xizang China See also Gansu China; Vizang China See also Gansu China; Hunas Inner Mongolia China; Xizang China Mesozoic 10-11: Vertebrata, Ordos Basin 10-11: 2133-21 Vertebrata 9: 1829-1845 Carlor County Minnesota Proterozoic 5: 913-917 Carnosauria 10-11: 2037-2081 New York, Quaternary 9: 1829-1845 Carlor County Minnesota Proterozoic 5: 913-917 Carnosauria 10-11: 2037-2081 New York, Quaternary 9: 1829-1845 Carlor County Minnesota Proterozoic 5: 913-917 Carlo	lead-zinc deposits	5: 1028-1036	Newfoundland	4: 776-786	Cheticamp Lake Gneiss	
metal ores Abitibi Belt Superior Province 12: 2366-2379 petrology, Waw Belt Precambrian, Superior Province ince Central Metasedimentary Belt Superior Province 6: 1275-1285 Superior Province Central Metasedimentary Belt Superior Province 6: 1286-1296 stratigraphy, Abitibi Belt tectonics, Central Metasedimentary Belt uranium ores, Churchill Province Canso Ridge structural geology Cape Breton Island geochemistry Proterozoic Central Bundand geochemistry Canisarian Canada 12: 2404-2422 United States 12: 2404-2422 United States 12: 2404-2422 Carlton County Minnesota Carlton County Minnesota Proterozoic Carlton County Minnesota Carlton County Minnesota Proterozoic Carlton County Minnesota Carlton County Minnesota Proterozoic Carlton County Minnesota	magmas, Abitibi Belt	1: 124-131	Saskatchewan		faults	9: 1773-1781
Abitibi Belt 9: 1934-1954 Superior Province 12: 2366-2379 petrology, Wawa Belt 7: 985-996 Precambrian, Superior Province 6: 1275-1285 Proterozoic Central Metasedimentary Belt 2: 2523-2527 Superior Province 6: 1286-1296 stratigraphy, Abitibi Belt 9: 1886-1897 tectonics, Central Metasedimentary Belt uranium ores, Churchill Province 4: 651-763 Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry 6: 1147-1154 Proterozoic 1: 1-10 Canada 12: 2404-2422 United States 12: 2404-2422 United States 12: 2404-2422 Carlton County Minnesota Proterozoic 5: 913-917 Carnivora see Fissipeda; Pinnipedia Carnosauria Vertebrata 10-11: 2037-2081 Carnosauria 10-11: 2037-2081 Vertebrata 10-11: 2037-2081 Structural geology 7: 1306-1323 casts, flute see flute casts catalogs New York, Quaternary 9: 1829-1845 Catalogs Cathodoluminescence 6: 1209-1223 Carnosauria 10-11: 2037-2081 Vertebrata 10-11: 2037-2081 Vertebrata, Ordos Basin 10-11: 2135-213-214-215-215-215-215-215-215-215-215-215-215	2.					
Superior Province petrology, Wawa Belt Precambrian, Superior Province Central Metasedimentary Belt stratigraphy, Abitibi Belt stratigraphy, Abitibi Belt uranium ores, Churchill Province Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry Proterozoic 1: 1-10 central granite see batholiths Lication Superior Province 5: 985-996 Carlton County Minnesota Proterozoic 5: 913-917 Carlton County Minnesota Proterozoic 5: 913-917 Chibna see also Gansu China; Huna Inner Mongolia China; Shandor Xinjiang China; Xizang China See also Gansu China; Huna Inner Mongolia China; Shandor Xinjiang China; Xizang China See also Gansu China; Huna Inner Mongolia China; Shandor Xinjiang China; Xizang China See also Gansu China; Huna Inner Mongolia China; Shandor Xinjiang China; Kizang China See also Gansu China; Huna Inner Mongolia China; Shandor Xinjiang China; Kizang China See also Gansu China; Huna Inner Mongolia China; Shandor Xinjiang China; Shandor		9:1934-1954		10.0404.0400		7: 1374-1384
petrology, Wawa Belt Precambrian, Superior Province Central Metasedimentary Belt Stratigraphy, Abitibi Belt Uranium ores, Churchill Province Canso Ridge structural geology Structural g						7. 13/4-1304
Proterozoic Proterozoic Central Metasedimentary Belt Superior Province Stratigraphy, Abitibi Belt Uranium ores, Churchill Province Canso Ridge structural geology Str						4 44 44
rince Proterozoic Proterozoic Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1286-1296 stratigraphy, Abitibi Belt tectonics, Central Metasedimentary Belt uranium ores, Churchill Province 4: 651-763 Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry Proterozoic 1: 1-10 Proterozoic 6: 1275-1285 Carnosauria 10-11: 2037-2081 Carnosauria 10-11: 2037-2081 Vertebrata 10-11: 2037-2081 Cascade Range structural geology 7: 1306-1323 casts, flute see flute casts catalogs New York, Quaternary 9: 1829-1845 Cathodoluminescence 6: 1209-1223 Carnosauria 10-11: 2037-2081 Vertebrata, Ordos Basin 10-11: 2133-213-213-213-213-213-213-213-213-213			Carlton County Minnesota			1: 11-28
roce Proterozoic Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1286-1296 stratigraphy, Abitibi Belt tectonics, Central Metasedimentary Belt ariunum ores, Churchill Province 4: 651-763 Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry 6: 1147-1154 Proterozoic 1: 1-10 Carnosauria Vertebrata 10-11: 2037-2081 Vertebrata 10-11: 2037-2081 Vertebrata 10-11: 2037-2081 Vertebrata 7: 1306-1323 Cascade Range structural geology 7: 1306-1323 catalogs structural geology 7: 1306-1323 catalogs New York, Quaternary 9: New York, Quaternary 9: China see also Gansu China; Huna Inner Mongolia China; Xizang China Wesozoic 10-11: Vertebrata, Ordos Basin 10-11: 2133-21 Vertebrata, Ordos Basin 10-11: 2153-22 cathodoluminescence 6: 1209-1223 Carnosauria Vertebrata 10-11: 2037-2081 Vertebrata 7: 1306-1323 Catalogs New York, Quaternary 9: 1829-1845 Cathodoluminescence 6: 1209-1223 Carnosauria Vertebrata 10-11: 2037-2081 Vertebrata, Ordos Basin 10-11: 2153-22 cathodoluminescence 6: 1209-1223 Carnosauria Vertebrata 10-11: 2037-2081 Vertebrata, Ordos Basin 10-11: 2153-22 cathodoluminescence 6: 1209-1223 Cathodoluminescence 6: 1209-1223 Carnosauria Vertebrata 10-11: 2037-2081 Vertebrata, Ordos Basin 10-11: 2153-22 cathodoluminescence 6: 1209-1223 Cathodoluminescence 6: 1209-1223 Carnosauria Vertebrata 10-11: 2037-2081 Vertebrata 10-11: 20			Proterozoic	5: 913-917		0.4677
Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1286-1296 stratigraphy, Abitibi Belt tectonics, Central Metasedimentary Belt uranium ores, Churchill Province 4: 651-763 Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry 6: 1147-1154 Proterozoic 1: 1-10 Carnosauria Vertebrata 10-11: 2037-2081 Cascade Range structural geology 7: 1306-1323 casts, flute see flute casts catalogs Structural geology 7: 1306-1323 casts, flute see flute casts catalogs New York, Quaternary 9: 1829-1845 cathodoluminescence 6: 1209-1223 cat		6: 1275-1285		nipedia		9: 1853-1860
Central Metasedimentary Belt 12: 2523-2527 Superior Province 6: 1286-1296 stratigraphy, Abitibi Belt tectonics, Central Metasedimentary Belt uranium ores, Churchill Province Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry Proterozoic 1: 1-10 Vertebrata 10-11: 2037-2081 Cascade Range structural geology 7: 1306-1323 Cascade Range structural geology 7: 1306-132	Proterozoic					
Belt 12: 2523-2527 Superior Province 6: 1286-1296 stratigraphy, Abitibi Belt tectonics, Central Metasedimentary Belt uranium ores, Churchill Province 2 A: 651-763 Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry 6: 1147-1154 Proterozoic 1: 1-10 12: 2523-2527 Cascade Range structural geology 7: 1306-1323 Casts, flute see flute casts catalogs 10-11: 2139 Cape Breton Island geochemistry 6: 1147-1154 Cascade Range structural geology 7: 1306-1323 Casts, flute see flute casts catalogs 10-11: 2139 Cape Breton Island geochemistry 6: 1147-1154 Central Europe see Poland central granite see batholiths Xinjiang China; Xizang China Mesozoic 10-11: Vertebrata, Ordos Basin 10-11: 2139 Casts, flute see flute casts catalogs 10-11: 2139 Catalogs 11: 2153-21 Cascade Range structural geology 7: 1306-1323 Casts, flute see flute casts catalogs 10-11: 2139 Catalogs 10-11:	Central Metasediment	tary		10 11, 2027 2001	Inner Mongolia China: S	handong China:
Superior Province stratigraphy, Abitibi Belt tectonics, Central Metasedimentary Belt uranium ores, Churchill Province Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry Proterozoic 1: 1-10 Central granite see batholiths 1: 1-10 Central geology 7: 1306-1323 Vertebrata, Ordos Basin 10-11: 2132 Vertebrata, Ordos Basin 10-11: 2133-21 Vertebrata,				10-11: 2037-2081		
stratigraphy, Abitibi Belt tectonics, Central Metasedimentary Belt uranium ores, Churchill Province Canso Ridge structural geology Cape Breton Island geochemistry Proterozoic 1: 1-10 9: 1886-1897 structural geology 7: 1306-1323 Vertebrata, Ordos Basin 10-11: 2136 10-11: 2136 2163-21 2174-2: Cathodoluminescence 6: 1209-1223 Ce see cerium Cenozoic see Quaternary; Tertiary centers, spreading see spreading centers Central Europe see Poland Central Europe see Poland Central granite see batholiths Vertebrata, Ordos Basin 10-11: 2136 11: 2153-21 2174-2: Cathodoluminescence 6: 1209-1223 Ce see cerium Cenozoic see Quaternary; Tertiary centers, spreading see spreading centers Chordata see Vertebrata chorology see biogeography chromite ores						10-11: 2002-2012
tectonics, Central Metasedimentary Belt uranium ores, Churchill Province Canso Ridge structural geology Cape Breton Island geochemistry Proterozoic description assis, flute see flute casts catalogs New York, Quaternary 9: 1829-1845 2163-21 22174-21 Cathodoluminescence 6: 1209-1223 Central Europe see Quaternary; Tertiary centers, spreading see spreading centers Central Europe see Poland Central Europe see Poland Central granite see batholiths Chromite ores			structural geology	7: 1306-1323		
Metasedimentary Belt uranium ores, Churchill Province Canso Ridge structural geology Cape Breton Island geochemistry Proterozoic 1: 1-10 Signature 13: 647-650 New York, Quaternary 9: 1829-1845 Cathodoluminescence 6: 1209-1223 Ces see cerium Cenozoic see Quaternary; Tertiary centers, spreading see spreading centers Chordata see Vertebrata chorology see biogeography chromite ores		. 1000-107/	casts, flute see flute casts			
New York, Quaternary 9: 1829-1845 2163-21 Province 4: 651-763 cathodoluminescence 6: 1209-1223 2174-2: Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry 6: 1147-1154 Proterozoic 1: 1-10 central granite see batholiths chromite ores		2 / 40 / 20				1: 2139-2152; 10-
Province 4: 651-763 cathodoluminescence 6: 1209-1223 2174-21 Canso Ridge structural geology 12: 2495-2509 Cenozoic see Quaternary; Tertiary chlorite group see sudoite centers, spreading see spreading centers chorology see biogeography chromite ores		5: 647-650		0.1820-1845		153-2162; 10-11
Canso Ridge structural geology Cape Breton Island geochemistry Proterozoic 1: 1-10 Ce see cerium Cenozoic see Quaternary; Tertiary Cenozoic see Quaternary; Tertiary Cenozoic see Poland Central Europe see Poland Central Europe see Poland Central granite see batholiths Chromite ores					2	163-2173; 10-11
Canso Ridge structural geology 12: 2495-2509 Cape Breton Island geochemistry 6: 1147-1154 Proterozoic 1: 1-10 Ce see cerum Central Europe see Quaternary; Tertiary chlorite group see sudoite Central Europe see Poland chorology see biogeography central granite see batholiths Ce see cerum Chlorite group see sudoite Chordata see Vertebrata chorology see biogeography chromite ores	Province	4: 651-763		0: 1209-1223	2	174-2176; 10-11
structural geology Cape Breton Island geochemistry Proterozoic 12: 2495-2509 Cenozoic see Quaternary; Tertiary centers, spreading see spreading centers Central Europe see Poland central granite see batholiths Cenozoic see Quaternary; Tertiary chlorite group see sudoite Chordata see Vertebrata chorology see biogeography chromite ores	Canso Ridge		Ce see cerium			2177-2179
Cape Breton Island geochemistry Proterozoic Gentral Graph Spreading see spreading centers Central Europe see Poland Central Europe see Poland Central granite see batholiths Chordata see Vertebrata chorology see biogeography chromite ores	9	12: 2495-2509	Cenozoic see Quaternary; T	ertiary	chlorite group see sudoite	
geochemistry 6: 1147-1154 Central Europe see Poland chorology see biogeography Proterozoic 1: 1-10 central granite see batholiths chromite ores		1 M 1 M T 7 J - M J U 7				
Proterozoic 1: 1-10 central granite see batholiths chromite ores		6. 1147 1174		and winds		
			*			
structural geology 12: 2495-2509 Central Massif see Sidobre Massif China netrology 8.						
o	structural geology	12: 2495-2509	Central Massif see Sidobre	Massif	China, petrology	8: 1650-1659

Chromitite China	8: 1650-1659	Coelenterata Rugosa, British Columbia	4: 819-831	continental migration see continental shelf see als	
chromium ores see chro		coelenterates see corals	4. 015-051		
				Newfoundland, structu	6.
Chuckanut Formation	6: 1205-1208	coffinite see uranium ores		ology	12: 2495-2509
Churchill Province		Cold Lake		Northwest Territories	12: 2448-2452
uranium ores	4: 651-763	oil sands	1:94-102	Nova Scotia, structural	
Cigar Lake Deposit		Cold Lake Oil Sands		ogy	12: 2495-2509
metal ores	4: 689-704; 4: 743-753	oil sands	1:94-102	continental type see cont	inental crust
uranium ores	4: 651-763	Coldwell Complex		copper ores	
4	: 653-673; 4: 674-688;	geochemistry	1: 145-158	British Columbia	1: 48-59
	: 705-719; 4: 720-730;	Coleoptera		Ouebec	9: 1934-1954
	4: 731-742; 4: 754-763	Northwest Territories, Qua-		coprolites	71 1701 1701
	4: /31-/42; 4: /34-/03		5: 954-974		6, 1242 1252
cirques		ternary	J. 7J4-7/4	New Brunswick, Quate	
Quebec, Quaternary	8: 1697-1707	Colorado Group		Nova Scotia, Quaterna	ry 6: 1242-1253
cladistics		oil sands	1:94-102	coral reefs see reefs	
China, Vertebrata	10-11: 2013-2026; 10-	common mica see muscovite		corals	
	11: 2082-2095	Commonwealth of Indepen	dent States see	British Columbia, strat	igra-
Northwest Territories	In-	Uzbekistan		phy	4: 819-831
vertebrata	8: 1634-1643	compression tectonics		stromatoporoids	
		Morocco, petroleum	5: 1049-1055	Canada	12: 2465-2474
Clairmont Formation		compressional waves see P-w			
structural geology	7: 1297-1305		aves	United States	12: 2465-2474
Clam Bank Formatio	n	computer tomography		Corbet Mine	
stratigraphy	4: 776-786		0-11:2231-2247	metal ores	9: 1934-1954
clastic rocks see also	pentonite: black shale:	conjugate faults		cordierite	
	red beds; sandstone;	Ontario	8: 1668-1673	Ontario, petrology	5: 985-996
saprolite; shale	ica ocas, sanastono,	conodonts		core complexes see me	tamorphic core com-
	1, 174, 200	Alberta, sedimentary rocks	8: 1660-1667	plexes	antospino ooto ootii
Canada, stratigraphy	1: 174-200	British Columbia, structural		Cornwallis Island	
China, palynomorphs		70.000			0. 1624 1642
United States, stratig	raphy 1: 174-200	geology	3: 631-643	Invertebrata	8: 1634-1643
clastic sediments see d	iamicton; silt; till	Canada, stratigraphy 12	: 2404-2422; 12:	stratigraphy	3: 491-498
clay			2465-2474	Cot Deposit	
British Columbia, Qu	ater_	China, sedimentary rocks	8: 1660-1667	gold ores	8: 1566-1581
	9: 1815-1828	Northwest Territories, sedi-		Craigieburn Range	
nary		mentary rocks	8: 1660-1667	Quaternary	9: 1861-1869
Northwest Territories		United States, stratigra-		Cretaceous see also Lar	
Quaternary	8: 1708-1714		: 2404-2422; 12:	Cretaceous see also Lai	5: 1037-1048
Saskatchewan, soil n	nechan-	phy 12		A 11	
ics	3: 420-433		2465-2474	Alberta	8: 1644-1649
Washington, Quaterr	9: 1815-1828	Yukon Territory, stratigra-		Aptian, China	10-11: 2101-2106
clay mineralogy	2,1010,1020	phy	9: 1870-1880	Atlantic Ocean	2:391-411
	4.680.704	contact metamorphism		Belly River Formation	1: 174-200
Saskatchewan, metal	ores 4: 689-704	Labrador, Proterozoic	6: 1166-1178	British Columbia	5: 1076-1090
clay minerals see illite		Newfoundland, Proterozoic	6: 1166-1178	Campanian	
cleavage		continental crust	5: 908-912		0-11: 2231-2247; 10-
Quebec, structural ge	ol-	Alberta, tectonics	1: 77-93	Alberta	11: 2255-2272
ogy	3: 591-602; 7: 1363-		1. //-93	Cl.:	
	1373	British Columbia	F 1011 100F	China 1	0-11: 2180-2195; 10-
Clements Markham t		faults	5: 1014-1027		11: 2196-2213
	4: 867-880	structural geology	12: 2389-2403	Saskatchewan	4: 769-775
petrology		tectonics	1:77-93	South Dakota	10-11: 2255-2272
climatology, paleo- see		Canada		Uzbekistan	10-11: 2255-2272
clinoamphibole see has	6.	metamorphism	1: 159-173	China	10-11: 1997-2001
clinopyroxene see aegi	rine; augite	structural geology	2: 209-231		0-11: 1997-2272; 10-
Clyburn Brook Form		Ontario	2. 207-231		1: 2107-2127; 10-11:
faults	9: 1773-1781		0.1660 1672		
CO2 see carbon dioxid		structural geology	8: 1668-1673		2128-2138; 10-11:
		tectonics	3: 647-650		2139-2152; 10-11:
coal	.' 0 1001 1001	Quebec, geochemistry	6: 1110-1122		2153-2162; 10-11:
Montana, paleomagn		continental drift see also Go	ondwana;		2163-2173; 10-11:
Northwest Territorie	S,	Pangaea			2174-2176; 10-11:
Eocene	9: 1914-1923		2: 261-277		2177-2179; 10-11:
Coast Belt		Ontario, stratigraphy	12: 2475-2480		2214-2223; 10-11:
faults	5: 1014-1027	Wyoming, stratigraphy	12: 2475-2480		2224-2230; 10-11:
stratigraphy	5: 1037-1048	11) Ollinie, bereefichil	12. 24/3-2400		2248-2254
	J. 1037-1040	CONTRACTOR CONTRACTOR	E 000 00 1	C-11- C	
Coast Mountains		Alaska, geochemistry	5: 975-984	Colorado Group, oil sa	
structural geology	12: 2389-2403	PARTITION OF CHANGE		Djadokhta Formation	10-11: 2180-2195
coastlines		geophysical surveys	7: 1427-1439; 7:	sedimentation	10-11:2196-2213
British Columbia, Qu	iater-		1440-1452	Elkhorn Mountains Vo	olca-
nary	4: 832-840	petroleum	5: 918-927	nics	5: 1066-1075
Quebec, Quaternary	3: 553-574	I .	4: 787-805	Far East	10-11: 2096-2100
	3. 333-374	To your			
Cobequid Highlands Proterozoic	3: 474-479	Canada, tectonophysics Ontario, Archean	9: 1782-1798 6: 1179-1196	Hell Creek Formation Vertebrata	9: 1981-1996 10-11: 2255-2272

Indian Ocean	2: 391-411	Deer Cove Deposit	7: 1532-1546	dextral faults see right-lateral	faults
Judith River Formation Vertebrata	1: 174-200 10-11: 2255-2272	gold ores deformation see also cleavag		Arizona, stratigraphy	7: 1415-1426
K-T boundary, Montan	9: 1981-1996	tion	0. 1/74 1/75	Newfoundland	2 424 440
Maestrichtian	10 11.2255 2272	dustile deformation	8: 1674-1675	geochemistry	3: 434-448
Alberta	10-11: 2255-2272	ductile deformation	7: 1297-1305	structural geology	12: 2495-2509
Saskatchewan	4: 769-775	Georgia Labrador	7: 1458-1469	Nova Scotia, structural geol-	
South Dakota	10-11: 2255-2272			ogy	12: 2495-2509
Uzbekistan	10-11: 2255-2272	New Brunswick	7: 1324-1331	Ontario	
Mannville Group, oil sa		Newfoundland	7: 1458-1469	geochemistry	6: 1123-1140
Newfoundland	12: 2495-2509	Ontario 3: 64	7-650; 6: 1155-	Proterozoic	6: 1286-1296
Nova Scotia	12: 2495-2509	5 1 . 1	1165	Quebec, Proterozoic	6: 1286-1296
Oldman Formation	1: 174-200	Saskatchewan	7: 1338-1354 8: 1741-1748	diachronism	
Turonian	10 11 0055 0050	Great Lakes, Quaternary		Quebec, Quaternary	8: 1715-1719
Alberta	10-11: 2255-2272	Labrador, Proterozoic	7: 1470-1489 12: 2510-2522	diagenesis see also dolomitiz	
South Dakota	10-11: 2255-2272	Minnesota, geochemistry		Alaska	3: 519-534
Uzbekistan	10-11: 2255-2272	Newfoundland, Proterozoic	7: 1470-1489	Manitoba, hydrology	6: 1099-1109
Two Medicine Formati		deglaciation		Ontario	6: 1209-1223
Vertebrata	5: 997-1006	Canada, Quaternary 2: 35	64-371; 8: 1676-	Silurian	3: 575-590
Uzbekistan	10-11: 2214-2223	C O	1696	Saskatchewan	
Washington	7: 1306-1323	Great Lakes, Quaternary	8: 1741-1748	metal ores	4: 689-704
Cretaceous-Tertiary b	oundary see K-T	Northwest Territories, Qua-		uranium ores	4: 674-688
boundary		ternary	8: 1749-1758	diamicton	
Cross Lake Sill		Quebec, Quaternary 3: 55	53-574; 7: 1390-	British Columbia, Quater-	
geochemistry	6: 1123-1140		1403	nary	9: 1815-1828
cross-bedding		depositional remanent magn		Washington, Quaternary	9: 1815-1828
Ontario	12: 2453-2464	Venezuela, stratigraphy	12: 2380-2388	diamond	
cross-stratification		depressions		China, petrology	8: 1650-1659
China	10-11: 2196-2213	Saskatchewan, Quaternary	6: 1224-1235	diaphthoresis see retrograde n	
crossbedding see cross-b	edding	desiccation		diapirism	
Crowsnest Formation		Poland, sedimentation	9: 1799-1814	Alaska, geochemistry	5: 975-984
petrology	8: 1644-1649	detachment see decollement		Diapsida see Archosaur	
crust see also geotherma	l gradient; heat flow	detrital fan see alluvial fans		Ichthyosauria	ia, Dosaciia,
British Columbia	4: 787-805	detrital remanent magnetizat	ion see deposi-	Dicamptodon antiquus	
geochemistry	5: 1076-1090	tional remanent magnetiza	tion	Vertebrata	4: 814-818
geophysical		detrital sedimentation			4.014-010
	1427-1439; 7: 1440-	Ontario, Proterozoic	12: 2523-2527	dike swarms	
	1452	Detroit River Group	12: 2465-2474	Ontario	6. 1206 1206
continental crust	5: 908-912	deuterium see also D/H		Proterozoic	6: 1286-1296
Alberta	1:77-93	Arctic region, Quaternary	4: 806-813	stratigraphy	9: 1886-1897
British Columbia	1:77-93	Ontario, non-metal deposits	9: 1955-1969	Proterozoic	7: 1490-1504
5:	1014-1027; 12: 2389-	Quebec, natural gas	9: 1881-1885	Quebec	
	2403	Saskatchewan, metal ores	4: 689-704	Proterozoic	6: 1286-1296
Canada 1:	159-173; 2: 209-231	Spitsbergen, Quaternary	4: 806-813	stratigraphy	9: 1886-1897
Ontario	3: 647-650; 8: 1668-	Devon Island		Canada, geochronology	8: 1582-1593
	1673	stratigraphy	3:491-498	Labrador, geochemistry	6: 1141-1146
Quebec	6: 1110-1122	Devonian		Newfoundland	
Labrador, Proterozoic	12: 2315-2327	Acadian Phase		geochemistry	6: 1141-1146
Newfoundland		Newfoundland 4:7	76-786; 9: 1759-	structural geology	12: 2495-2509
Proterozoic	12: 2315-2327		1772	Nova Scotia	
structural geology	12: 2495-2509	Quebec 3: 5	91-602; 7: 1363-	geochemistry	12: 2295-2304
tectonics	12: 2481-2494		1373	structural geology	12: 2495-2509
Nova Scotia, structural	geol-	Alberta	8: 1660-1667	Quebec	1: 124-131
ogy	12: 2495-2509	China	8: 1660-1667	geochemistry	6: 1110-1122
oceanic crust, Newfour		Detroit River Group	12: 2465-2474	gold ores	9: 1924-1933
Ontario, Archean	6: 1179-1196	77	12. 2405-2474	dilatational wave see P-wave	S
cryotectonics see glaciot		Famennian Canada	12: 2404-2422	Dinantian see also Horton G	
Cuyahoga County Ohio		Nova Scotia	5: 1091-1098	ian	F,
Quaternary	6: 1236-1241	United States	12: 2404-2422	Georgia	7: 1297-1305
D/H	0. 1230-1241	Georgia	7: 1297-1305	dinoflagellates	
	1: 109-112	2		Alaska, Quaternary	1: 103-108
geochemistry data bases	1: 109-112	Newfoundfalld 7: 1532	-1546; 12: 2328-	Atlantic Ocean	2: 391-411
	raphy 2: 391-411	Northwest Tomical	2333	Quaternary	7: 1385-1389
Atlantic Ocean, stratig	1 /	Northwest Territories	3: 603-620		
Indian Ocean, stratigra		5: 102	8-1036; 8: 1660-	Indian Ocean	2: 391-411
dating, fission-track see	ussion-track dating	Mana Cara	1667	Northwest Territories, Qua-	
decollement		Nova Scotia	12: 2295-2304	ternary	1: 103-108
n	logy 7: 1297-1305	Onondaga Limestone	12: 2465-2474	Dinosaur Park Formation	
Georgia, structural geo					
Georgia, structural geo Deep Sea Drilling Proje stratigraphy		Palliser Formation Quebec	12: 2404-2422 12: 2283-2294	stratigraphy Vertebrata 1	1: 174-200 0-11: 2231-2247

Dinosaur Provincial Park Quaternary	9: 1846-1852	pegmatite; petroleum shale; silver ores; ura		exhumation	-1
Vertebrata	10-11: 2231-2247	Economy River Gneiss	munifores, zinc ores	Newfoundland, geochrone	
			2. 474 470	ogy	8: 1594-1606
dinosaurs see also Ornithis China 10-1	1: 1997-2001; 10-	Proterozoic Ectypodus lovei	3: 474-479	exogenous inclusions see xe Exploits Subzone	enoliths
	11: 1997-2272	Vertebrata	8: 1613-1617	geochemistry	3: 434-448
Mesozoic	10-11: 2002-2012	elastic waves see body w		Exshaw Formation	
sedimentation	10-11: 2196-2213	Elkhorn Mountains Vo	leanies	stratigraphy	12: 2404-2422
stratigraphy	10-11: 2180-2195		5: 1066-1075	extension faults	
Montana, geochronology	5: 1066-1075	Ellesmere Island		New Brunswick	7: 1324-1331
diorites see plagiogranite		petrology	4: 867-880	extension tectonics	
displacement theory see con	ntinental drift	Quaternary	8: 1708-1714	Minnesota, Proterozoic	5: 913-917
disposal, waste see waste di		stratigraphy	12: 2465-2474	facies see amphibolite faci	es; greenschist fa-
District of Kenora see Ke	nora District On-	Elliot Lake Ontario		cies	
tario		sedimentary petrology	6: 1209-1223	Fairbanks mining district	
District of Mackenzie see N	Mackenzie District	Elzevir Terrane		gold ores	4: 764-768
Northwest Territories		geochronology	3: 465-473; 6: 1155-	Falcon Valley	
District of Nipissing see	Nipissing District	0	1165	Quaternary	9: 1846-1852
Ontario		Proterozoic	12: 2523-2527	Famennian	
District of Thunder Bay	see Thunder Bay	embryonic taxa		Canada	12: 2404-2422
District Ontario		China, Vertebrata	10-11:2248-2254	Nova Scotia	5: 1091-1098
Djadokhta Formation	10-11: 2180-2195	Enantiornithes		United States	12: 2404-2422
sedimentation	10-11: 2196-2213	Vertebrata	10-11: 2177-2179	Far East see China; Mongo	lia; Thailand
Dog Bay Line		engineering geology se	e earthquakes: geo-	Farallon Plate	
tectonics	12: 2481-2494	logic hazards; perma		stratigraphy	5: 1037-1048
dolerite see diabase		waste disposal		fault blocks see block struc	tures
dolomitite see dolostone		England		fault zones	
dolomitization		Vertebrata, Dorset Eng	land 6: 1197-1204	Quebec, structural geolog	
Ontario, sedimentary petr		environmental geology		Washington, structural ge	
ogy	12: 2453-2464	pollution; waste disp		ogy	7: 1306-1323
Northwest Territories, lea		Eocene	8: 1613-1617	faults see also block structs	
zinc deposits	5: 1028-1036	Chuckanut Formation	6: 1205-1208	foliation; grabens; shear	
Quebec, natural gas	9: 1881-1885	Northwest Territories	9: 1914-1923	British Columbia	5: 1014-1027
Donqiao Ophiolite	0 1/50 1/50	Eosuchia		conjugate faults, Ontario	
petrology	8: 1650-1659	China	10-11: 2153-2162	extension faults, New Bri	
Dorset England		epeirophoresis theory se		wick	7: 1324-1331
Vertebrata	6: 1197-1204	epizonal metamorphism		Morocco, petroleum	5: 1049-1055
drumlins		Morocco, structural ge		reverse faults	
Saskatchewan, Quaternar	y 6: 1224-1235	Erie County Ohio	0106)1552 1557	Newfoundland	9: 1759-1772
dry delta see alluvial fans	v	Quaternary	6: 1236-1241	Quebec	7: 1363-1373
DSDP see Deep Sea Drillin	ig Project	Erieau Excursion		right-lateral faults	
ductile deformation	E 100E 100E	Quaternary	8: 1741-1748	British Columbia	6: 1262-1274
Georgia	7: 1297-1305	erosion see also glacial		Newfoundland 7: 15	
Labrador, Proterozoic	7: 1458-1469	Ontario, geomorpholog		0.1	2494
New Brunswick	7: 1324-1331	erosion features	5)	Quebec 3:	: 591-602; 7: 1363-
Newfoundland, Proterozo		Quebec, Quaternary	8: 1697-1707	C1	1373
Ontario	3: 647-650 6: 1155-1165	eruptions		Saskatchewan	7: 1338-1354 5: 1037-1048
geochronology Saskatchewan		Montana, Quaternary	3: 535-552	stratigraphy	5: 1057-1048
D 000 TEGO 11 O 11 0011	7: 1338-1354	Washington, Quaterna		strike-slip faults	(21 (42 7 1427
dune structures	10 11.0106 0010	eruptive rocks see volcar		British Columbia 3:	: 631-643; 7: 1427-
China	10-11: 2196-2213	eskers	110 100110	Ontonio	1439
Dunnage Melange geochemistry	3: 434-448	Northwest Territories,	Oua-	Ontario Ouebec	9: 1955-1969 3: 591-602
tectonics		ternary	5: 928-944		0.034 00
	12: 2481-2494	Essaouira Basin	0.720 711	tear faults, Northwest Ter	3: 603-620
dykes see dikes		petroleum	5: 1049-1055	tones	3: 003-020
earthquake prediction	0.270.200	Essex County Ontario	3. 1049-1033	thrust faults	7, 1000 1007
earthquakes	2: 372-390	Quaternary	12: 2436-2447	Morocco	7: 1332-1337
earthquakes see geologic ha		Europe see also Central		Newfoundland	7: 1547-1552
East-Central Alaska see district	rairbanks mining	Europe	Europe, western	Ontario	3: 647-650
	. 7 Maddin	Mesozoic	10-11: 2002-2012	Quebec	5: 1056-1065
Eastern Canada see Avalo		eustacy see isostasy	10-11.2002-2012	Saskatchewan	6: 1224-1235
Provinces; Newfoundla	ind; Untario; Que-			transcurrent faults, Quebe	
bec		eustasy see eustacy		transform faults, British (
eclogite	1, 150, 172	Eusuchia see Eosuchia	ula: Camiyasa: Dea	lumbia 4:	787-805; 6: 1262-
Canada	1: 159-173	Eutheria see Artiodacty boscidea	yia, Camivora; PTO-	factures areains	1274
economic geology see base				features, erosion see erosio	
brines; chromite ores;		evaporite deposits	7, 1224 1221	feldspar group see also all	kan teluspar; pia-
evaporite deposits; gen		New Brunswick, tector		gioclase	10, 0400 0405
zinc deposits; natural g	as, on sands; peat;	evaporites see gypsum; s	syrvinite	Labrador, petrology	12: 2423-2435

Newfoundland, petrology	12: 2423-2435	fragments		geochemistry	
field, magnetic see magnetic fi	ield	geophysical surveys	3: 480-485	lithogeochemistry	
fission-track dating		framework silicates see feldspa	ar group; silica	Alaska	5: 975-984
Alaska, gold ores	4: 764-768	minerals; zeolite group		British Columbia	5: 1076-1090; 12:
Newfoundland, geochronol-		France			2305-2314
ogy	8: 1594-1606	zinc ores, Sidobre Massif	1: 113-123	Canada	2: 333-353
Fissipeda		Francois Granite	10 0000 0000	Iowa	6: 1275-1285
Alaska	5: 1007-1013		12: 2328-2333	Labrador	6: 1141-1146
Flathead County Montana		Franklin District Northwest		Minnesota	12: 2510-2522
stratigraphy	12: 2404-2422	Arctic Archipelago; Axel I		Newfoundland	3: 434-448
Flinton Group	3: 465-473	Devon Island; Ellesmere Is	land; Sverdrup		1141-1146; 8: 1607-
Flitaway Northwest Territor		Basin			1612; 12: 2495-2509
Quaternary	5: 954-974	Fraser Lowland	4 041 050	Northwest Territories	
floodplains		Quaternary	4: 841-850	Nova Scotia	3: 449-464
British Columbia, Quater-		freeze-thaw action see frost act Frobisher Bay	ion		147-1154; 12: 2273-
nary	9: 1815-1828	2	8: 1749-1758	2	282; 12: 2295-2304;
Washington, Quaternary	9: 1815-1828	Quaternary Frontones Torreno	0.1/49-1/30	Ontonio 6.	12: 2495-2509
floods see jokulhlaups		Frontenac Terrane	3: 465-473	Ontario 6:	1123-1140; 6: 1209- 1223
fluid inclusions see carbon di	oxide; geologic	geochronology	12: 2523-2527	Destangaio	7: 1490-1504
thermometry				Proterozoic	
fluids, ore-forming see ore-for	rming fluids	frost action see also ice wedge	4: 806-813	Quebec 7.	7: 1505-1520 1521-1531; 9: 1934-
flute casts		Arctic region, Quaternary	4: 806-813	/.	1954
Northwest Territories, Qua-		Spitsbergen, Quaternary	4: 000-013	Washington	7: 1306-1323
ternary	5: 928-944	Fry Creek Batholith	5: 1076-1090	Washington	
fluvial features see alluvia	l fans; eskers;	geochemistry	3: 1070-1090	geochronology see abso Cambrian; Carbonif	
floodplains; waterfalls		functional morphology	-11: 2255-2272		
fluvial sedimentation see gla	ciofluvial sedi-	Alberta, Vertebrata 10- South Dakota, Vertebrata 10-		Devonian; Eocene; f Holocene; Jurassic;	
mentation			-11: 2255-2272	cian; Paleocene; Pale	
fold belts		gabbros see also anorthosite; r		ian; Permian; Pleis	
Northwest Territories, petro	1-	olivine gabbro	netagabbio,	Precambrian; Proter	
ogy	4: 867-880	Canada, geochronology	8: 1582-1593	Silurian; Tertiary; Tria	
folds see also cleavage; foliati	ion	Newfoundland	6. 1362-1373	geologic barometry	assic
asymmetric folds, New		geochemistry	3: 434-448	Northwest Territories, p	ant mal
Brunswick	7: 1324-1331	Silurian	8: 1607-1612		
isoclinal folds, New Bruns-		Nova Scotia, geochemistry	3: 449-464	ogy	4: 867-880
wick	7: 1324-1331	galena	.7. 447-404	Washington, structural	
Morocco	7: 1332-1337	Northwest Territories, lead-		ogy	7: 1306-1323
recumbent folds, New Bruns	S-	zinc deposits	5: 1028-1036	geologic chronology see g	
wick	7: 1324-1331	Gansu China	5. 1020-1050	geologic hazards see also	
Saskatchewan	7: 1338-1354		-11:2139-2152	earthquakes	2: 372-390
foliation see also cleavage		Garfield County Montana	11.2157 2152	geologic thermometry so	ee also geologic ba-
Georgia	7: 1297-1305	paleomagnetism	9: 1981-1996	rometry; S-34/S-32	
Northwest Territories, petro	1-	garnet group see hydrogrossula		Quebec, gold ores 3	3: 413-419; 12: 2334
ogy	4: 867-880	Garry Island	ar, meranic		2351
foraminifers		permafrost	3: 509-518	geological barometry see	geologic barometry
Alberta, oil sands	1:94-102	Quaternary	8: 1720-1729	Geological Survey of	
Atlantic Ocean		Gaspe Peninsula	0.1/201/27		203-208; 2: 203-41
Quaternary	7: 1385-1389	geochemistry	12: 2283-2294	Canada	
stratigraphy	2:391-411	Quaternary	7: 1390-1403	geomorphology	2: 232-24
Indian Ocean, stratigraphy	2:391-411		-1707; 9: 1853-	geophysical surveys	
Quebec, Quaternary 7: 1390		0. 1077	1860	petroleum	2: 321-332
	1719	structural geology 3: 59	1-602; 7: 1363-	Quaternary	2: 333-35
		Structural goology 5.59	1373	earthquakes	2: 372-390
foreland basins	1/12			geomorphologic effects	
		Gateway Formation	1575	geomor photogre effects	
Newfoundland, orogeny	9: 1759-1772	Gateway Formation		Alberta, Quaternary	
Newfoundland, orogeny Foremost Formation	9: 1759-1772	petrology	8: 1644-1649		9: 1846-1852
Newfoundland, orogeny Foremost Formation stratigraphy	9: 1759-1772 1: 174-200	petrology gems see amethyst		Alberta, Quaternary	9: 1846-1852 inges of level; fros
Newfoundland, orogeny Foremost Formation stratigraphy formations, iron see iron form	9: 1759-1772 1: 174-200	petrology gems see amethyst gemstones see gems	8: 1644-1649	Alberta, Quaternary geomorphology see cha action; glacial geolog	9: 1846-1852 inges of level; fros y; weathering
Newfoundland, orogeny Foremost Formation stratigraphy formations, iron see iron form Fort Knox Deposit	9: 1759-1772 1: 174-200 nations	petrology gems see amethyst gemstones see gems geobarometry see geologic bar	8: 1644-1649	Alberta, Quaternary geomorphology see cha	9: 1846-1852 inges of level; fros y; weathering
Newfoundland, orogeny Foremost Formation stratigraphy formations, iron see iron form Fort Knox Deposit gold ores	9: 1759-1772 1: 174-200	petrology gems see amethyst gemstones see gems geobarometry see geologic bar geochemical anomalies	8: 1644-1649 rometry	Alberta, Quaternary geomorphology see cha action; glacial geolog geophysical logging see geophysical methods	9: 1846-185 inges of level; fros y; weathering well-logging
Newfoundland, orogeny Foremost Formation stratigraphy formations, iron see iron form Fort Knox Deposit gold ores Fosheim Peninsula	9: 1759-1772 1: 174-200 nations 4: 764-768	petrology gems see amethyst gemstones see gems geobarometry see geologic bar geochemical anomalies Quebec, geochemistry	8: 1644-1649	Alberta, Quaternary geomorphology see cha action; glacial geolog geophysical logging see	9: 1846-1850 inges of level; fros y; weathering well-logging 2: 243-260
Newfoundland, orogeny Foremost Formation stratigraphy formations, iron see iron form Fort Knox Deposit gold ores Fosheim Peninsula Quaternary	9: 1759-1772 1: 174-200 nations	petrology gems see amethyst gemstones see gems geobarometry see geologic bar geochemical anomalies Quebec, geochemistry geochemical controls	8: 1644-1649 rometry 12: 2283-2294	Alberta, Quaternary geomorphology see cha action; glacial geolog geophysical logging see geophysical methods magnetic methods geophysical surveys see	9: 1846-1850 inges of level; fros y; weathering well-logging 2: 243-260
Newfoundland, orogeny Foremost Formation stratigraphy formations, iron see iron form Fort Knox Deposit gold ores Fosheim Peninsula Quaternary fossil localities	9: 1759-1772 1: 174-200 nations 4: 764-768	petrology gems see amethyst gemstones see gems geobarometry see geologic bar geochemical anomalies Quebec, geochemistry geochemical controls Mali, gold ores	8: 1644-1649 rometry	Alberta, Quaternary geomorphology see cha action; glacial geolog geophysical logging see geophysical methods magnetic methods geophysical surveys see seismic surveys	9: 1846-1850 inges of level; fros y; weathering well-logging 2: 243-260
Newfoundland, orogeny Foremost Formation stratigraphy formations, iron see iron form Fort Knox Deposit gold ores Fosheim Peninsula Quaternary fossil localities China	9: 1759-1772 1: 174-200 nations 4: 764-768 8: 1708-1714	petrology gems see amethyst gemstones see gems geobarometry see geologic bar geochemical anomalies Quebec, geochemistry geochemical controls Mali, gold ores Northwest Territories, gold	8: 1644-1649 rometry 12: 2283-2294 8: 1553-1565	Alberta, Quaternary geomorphology see cha action; glacial geolog geophysical logging see geophysical methods magnetic methods geophysical surveys see seismic surveys Georgeville Group	9: 1846-185: singes of level; fros y; weathering well-logging 2: 243-26 e magnetic surveys
Newfoundland, orogeny Foremost Formation stratigraphy formations, iron see iron form Fort Knox Deposit gold ores Fosheim Peninsula Quaternary fossil localities China sedimentation	9: 1759-1772 1: 174-200 nations 4: 764-768 8: 1708-1714 0-11: 2196-2213	petrology gems see amethyst gemstones see gems geobarometry see geologic bar geochemical anomalies Quebec, geochemistry geochemical controls Mali, gold ores Northwest Territories, gold ores	8: 1644-1649 rometry 12: 2283-2294 8: 1553-1565 8: 1566-1581	Alberta, Quaternary geomorphology see cha action; glacial geolog geophysical logging see geophysical methods magnetic methods geophysical surveys see seismic surveys Georgeville Group geochemistry	9: 1846-185: singes of level; fros y; weathering well-logging 2: 243-26 e magnetic surveys
Newfoundland, orogeny Foremost Formation stratigraphy formations, iron see iron form Fort Knox Deposit gold ores Fosheim Peninsula Quaternary fossil localities China sedimentation stratigraphy 1	9: 1759-1772 1: 174-200 nations 4: 764-768 8: 1708-1714	petrology gems see amethyst gemstones see gems geobarometry see geologic bar geochemical anomalies Quebec, geochemistry geochemical controls Mali, gold ores Northwest Territories, gold ores Ontario, non-metal deposits	8: 1644-1649 cometry 12: 2283-2294 8: 1553-1565 8: 1566-1581 9: 1955-1969	Alberta, Quaternary geomorphology see cha action; glacial geolog geophysical logging see geophysical methods magnetic methods geophysical surveys see seismic surveys Georgeville Group geochemistry Georgia see Piedmont	9: 1846-1852 inges of level; fros y; weathering well-logging 2: 243-260 e magnetic surveys 12: 2273-2282
Newfoundland, orogeny Foremost Formation stratigraphy formations, iron see iron form Fort Knox Deposit gold ores Fosheim Peninsula Quaternary fossil localities China sedimentation	9: 1759-1772 1: 174-200 nations 4: 764-768 8: 1708-1714 0-11: 2196-2213	petrology gems see amethyst gemstones see gems geobarometry see geologic bar geochemical anomalies Quebec, geochemistry geochemical controls Mali, gold ores Northwest Territories, gold ores	8: 1644-1649 rometry 12: 2283-2294 8: 1553-1565 8: 1566-1581	Alberta, Quaternary geomorphology see cha action; glacial geolog geophysical logging see geophysical methods magnetic methods geophysical surveys see seismic surveys Georgeville Group geochemistry	9: 1846-1852 inges of level; fros y; weathering well-logging 2: 243-260 e magnetic surveys 12: 2273-2282

geothermal gradient	0 1700 1700	gneisses see also tonalite gne		graphite	
Canada, tectonophysics	9: 1782-1798	British Columbia, geochem		Saskatchewan	4 540 550
Morocco, petroleum	5: 1049-1055	istry	5: 1076-1090	metal ores	4: 743-753
geothermal surveys see heat fl		faults	9: 1773-1781	uranium ores	4: 731-742
geothermometry see geologic	thermometry	Iowa, Precambrian	6: 1275-1285	graptolites	
Giants Range Batholith		Labrador, Proterozoic	7: 1470-1489	Northwest Territories, st	
geochemistry	12: 2510-2522	Minnesota, Proterozoic	5: 913-917	tigraphy	3: 491-498
Gila County Arizona		Newfoundland, Proterozoio	c 7: 1470-1489	Graptolithina	
stratigraphy	7: 1415-1426	Northwest Territories	4: 867-880	Monograptina, Northwes	
Gilbert River Belt		Nova Scotia		Territories	3: 491-498
Proterozoic	7: 1458-1469	geochemistry	3:449-464	Graptoloidea see Monogra	ptina
Gilmore Dome		Proterozoic	3: 474-479	Great Britain see England	
gold ores	4:764-768	Ontario, tectonics	3: 647-650	Great Lakes	
glacial erosion		Quebec	0.01, 000	Quaternary, Lake	
Northwest Territories, Qua-		Archean	9: 1970-1980	Erie 6: 1	236-1241; 8: 1741-
ternary	8: 1749-1758	geochronology	5: 1056-1065		1748
Quebec, Quaternary	8: 1697-1707	Saskatchewan, uranium	5. 1050-1005	Great Lakes region see On	
Saskatchewan, Quaternary	6: 1224-1235		3-673; 4: 731-742	Great Northern Peninsul	
glacial extent		Gobi Desert	5-075, 4. 751-742	geochronology	8: 1594-1606
New York, Quaternary	9: 1829-1845		10 11, 2101 2106	greenschist facies	
New Zealand, Quaternary	9: 1861-1869	1 - A	10-11: 2101-2106	Washington, structural g	
Northwest Territories, Qua-			10-11: 2196-2213	ogy	7: 1306-1323
ternary	4: 851-866		10-11: 2224-2230	greenstone belts	
glacial features see cirques; dr		gold		Iowa, Precambrian	6: 1275-1285
glacial geology see changes o		Mali	8: 1553-1565	Ontario	
drumlins; eskers; glacial		Northwest Territories	8: 1566-1581	Archean	6: 1179-1196
		gold ores		petrology	5: 985-996
transport; glaciation		Alaska	4: 764-768	Quebec, gold ores	9: 1924-1933
glaciotectonics; ice moven	nent; ice sneets;	Mali	8: 1553-1565	Grenville Province	see Central
isostasy; till; valleys		Newfoundland	7: 1532-1546	Metasedimentary Belt	
glacial lakes see also glaciola	custinne seat-	Northwest Territories	8: 1566-1581	Grenvillian Orogeny	
mentation	2 400 500	Ontario	12: 2366-2379	Canada, metamorphism	1: 159-173
British Columbia, hydrology		Ouebec	3: 413-419		58-1469; 12: 2315-
glacial recession see deglaciat			24-1933; 9: 1934-		2327
glacial sedimentation see also			64; 12: 2334-2351	Newfoundland 7: 14	158-1469; 12: 2315-
sedimentation; glaciolacus		Gondwana see Laurasia	14, 12, 23342331		2327
tation; glaciomarine sedim		Gondwanaland see Gondwar	no.	Ontario	6: 1155-1165
Canada, Quaternary	2: 333-353		Ha		056-1065; 7: 1453-
Ohio, Quaternary	6: 1236-1241	Goodsiraspis packardi	0. 1624 1642	20000	1457
Quaternary	4: 841-850	Invertebrata	8: 1634-1643	Groswater Bay Terrane	
Quebec, Quaternary	8: 1697-1707	Goose Bay Labrador	10 0015 0005	Proterozoic	12: 2315-2327
glaciated terrains		Proterozoic	12: 2315-2327	ground water	121 20 10 2021
Canada, Quaternary	2:333-353	Goose Tickle Group		Saskatchewan, uranium	ores 4: 754-763
glaciation see changes of leve	el; deglaciation;	orogeny	9: 1759-1772	Guiana Massif see Guyan	
glacial erosion; glacial ex	tent; ice move-	gorges		guides, ore see ore guides	a omera
ment; ice sheets		Ontario, geomorphology	5: 945-953	Gulf of Saint Lawrence	
glacier bursts see jokulhlaups		Gotlandian see Silurian			3: 553-574; 7: 1390-
Glacier County Montana		government agencies see	survey organiza-	Quaternary	1403
geochronology	5: 1066-1075	tions		Guyana Shield	1403
Vertebrata	5:997-1006	grabens			10, 2200 2200
glacier outburst floods see jok		Quebec, Cambrian	6: 1254-1261	stratigraphy	12: 2380-2388
Glacier Peak Ash	umaapo	Grand Banks		gypsum	0 1500 1014
Quaternary	3: 535-552		261-277; 9: 1782-	Poland, sedimentation	9: 1799-1814
	3: 333-334	iccionophysics 2.2	1798	H see hydrogen	
glaciers see also jokulhlaups		Grand Pabos fault zone	1720	H-2 see deuterium	
Saskatchewan, soil mechan-			7: 1363-1373	Hadrosauridae	
ics	3: 420-433	structural geology		Montana	5: 997-1006
glaciofluvial sedimentation		granites see also biotite gran		Harp dike swarm	
Northwest Territories, Qua-		rites; pegmatite; quartz n	nonzomie; two-	Proterozoic	7: 1490-1504
ternary	5: 928-944	mica granite	1 110 100	Harrison Fault	
glaciolacustrine sedimentati		France, zinc ores	1: 113-123	faults	5: 1014-1027
Ontario, Quaternary	12: 2436-2447	Newfoundland, Devonian	12: 2328-2333	hastingsite	
glaciology see glacial geology	1	Quebec, gold ores	9: 1924-1933	Alberta, petrology	8: 1644-1649
glaciomarine sedimentation		granodiorites		Havre-Saint-Pierre Com	plex
Canada, Quaternary	2:354-371	British Columbia, geocher	n-	Proterozoic	7: 1453-1457
Quebec, Quaternary	3: 553-574	istry	5: 1076-1090	hawaiite	
glaciotectonics		Ontario, non-metal deposi	ts 9: 1955-1969	British Columbia, geoch	nem-
Great Lakes, Quaternary	8: 1741-1748	stratigraphy	5: 1037-1048	istry	1: 132-144
Saskatchewan, Quaternary	6: 1224-1235	granophyre		Hayesville Till	
			8: 1582-1593		6: 1236-1241
glassy feldspar see sanidine	0: 1224-1233	Canada, geochronology	8: 1582-1593	Quaternary	6: 1236-12

hazards, geologic see geologic h	nazards	Houghton Pluton		Quaternary	8: 1720-1729
Hazelton Group		magmas	1: 124-131	ice-dammed lakes	
stratigraphy	4: 819-831	Hudson Bay Lowlands		British Columbia, hy	
heat flow see also geothermal g		Quaternary	8: 1676-1696	ichnofossils see also to	
floor spreading; temperature	logging;	Silurian	3: 575-590	China, stratigraphy	10-11: 2180-2195
well-logging		structural geology	8: 1668-1673	Ichthyosauria	0 404 400
	5: 881-892	Hudson Strait	0 1510 1550	British Columbia	3: 486-490
Alberta, tectonics	1:77-93	Quaternary	8: 1749-1758	England	6: 1197-1204
British Columbia, tectonics	1:77-93	Hudsonian Orogeny		Idaho	
heavy minerals		Saskatchewan	7. 1000 1054	stratigraphy	12.2404.2422
Ohio, Quaternary	6: 1236-1241	structural geology	7: 1338-1354	Bonner County Id	
Hecate Strait		uranium ores Humber Arm Allochthon	4: 731-742	Boundary County	
geophysical surveys 7: 1427-		orogeny	9: 1759-1772	igneous rocks see also alkali basalts	prutome rocks
	1452	Hunan China	9. 1/39-1//2	Labrador	6: 1141-1146
tectonophysics	4: 787-805	sedimentary rocks	8: 1660-1667	Newfoundland	6: 1141-1146
Helikian	1 (50 (50	Huronian	8. 1000-1007	andesites, Quebec	9: 1934-1954
Saskatchewan	4: 653-673	Ontario	1:60-76	anorthosite	7. 1734-1734
Hell Creek Formation	9: 1981-1996		1223; 12: 2475-	Labrador	6: 1141-1146; 6: 1166-
	11: 2255-2272	0. 1209-1	2480	Labiadoi	1178
Hellancourt Formation		Wyoming	12: 2475-2480	Newfoundland	6: 1141-1146; 6: 1166-
geochronology	8: 1582-1593	hydrocarbons see aliphatic hyd		Newfoundiand	1178
hematite		hydrogen see also deuterium	Tocarbons	Quebec	7: 1453-1457
Michigan, petrology	7: 1404-1414	D/H, geochemistry	1: 109-112	basalts	7. 1433-1437
, 0 1	12: 2380-2388		4: 743-753	British Columbia	2.621.642
Hemlo Deposit		Saskatchewan, metal ores hydrogeological controls	4: /43-/33	China Columbia	3: 631-643 10-11: 2101-2106
petrology	5: 985-996		9: 1955-1969	Newfoundland	12: 2495-2509
Heron Bay		Ontario, non-metal deposits		Nova Scotia	
petrology	5: 985-996	hydrogeology see ground water	r; nydrology		12: 2495-2509
heterochrony see diachronism		hydrogrossular	8: 1644-1649	basanite Alaska	5: 975-984
hibschite see hydrogrossular		Alberta, petrology			
high-grade metamorphism		hydrology see floods; glaciers;	ice; limnology	British Columbia	
Canadian Shield, geochronol-		hydromuscovite	4. (74. (00	biotite granite, Britis	
ogy	3:465-473	Saskatchewan, uranium ores		lumbia	5: 1076-1090; 12: 2305-
Labrador, Proterozoic	7: 1470-1489	hydrothermal alteration see	also ore-form-	at the City	2314
Newfoundland, Proterozoic	7: 1470-1489	ing fluids	E 1404 1414	chromitite, China	8: 1650-1659
Quebec, geochronology	5: 1056-1065	Michigan	7: 1404-1414	diabase	7 1415 1406
Hill County Montana		Quebec	10.0004.0051	Arizona	7: 1415-1426
stratigraphy	1: 174-200	gold ores	12: 2334-2351	Newfoundland	3: 434-448; 12: 2495-
Hillsborough New Brunswick		metal ores	9: 1934-1954	Nova Scotia	2509
Quaternary	6: 1242-1253	Saskatchewan metal ores	4: 689-704	Ontario	12: 2495-2509 6: 1123-1140; 6: 1286-
Himalayas		uranium ores	4: 674-688	Ontario	1296
petrology	8: 1650-1659	hydrothermal processes see a		Quebec	6: 1286-1296
Hiram Till		ing fluids	nso ore-torni-	gabbros	0. 1200-1290
Quaternary	6: 1236-1241	Ontario, non-metal deposits	9: 1955-1969	Canada	8: 1582-1593
Holocene		Saskatchewan, uranium ores		Newfoundland	3: 434-448; 8: 1607-
Alaska	1: 103-108		4: /03-/19	NewToundiand	
Alberta	9: 1846-1852	lapetus	12, 2491 2404	Nova Scotia	1612
British Columbia	4: 832-840	Newfoundland, tectonics Ouebec, Cambrian	12: 2481-2494		3: 449-464
Northwest Territories 1: 103		Ibexian	6: 1254-1261	granites France	1, 112 122
	1758	Trilobita	8: 1618-1633		1: 113-123
Nova Scotia	7: 1374-1384		8: 1018-1033	Newfoundland	12: 2328-2333
Holy Cross Mountains see		ice	1, 100, 110	Quebec	9: 1924-1933
Mountains	Swiciy Kizyz	geochemistry	1: 109-112	granodiorites	F 1057 1000
Homerian		ice mantle see ice sheets		British Columbia	
stratigraphy	3: 491-498	ice movement		Ontario	9: 1955-1969
Hopedale Block	3. 471-470	Northwest Territories, Qua-		stratigraphy	5: 1037-1048
Proterozoic	7: 1490-1504	ternary 5: 92	28-944; 8: 1749-	granophyre, Canada	
hornblende	7: 1490-1304	01: 0	1758	hawaiite, British Co	
	7, 1207 1205	Ohio, Quaternary	6: 1236-1241	lamprophyres, Nov.	a Scotia 12: 2295-2304
Georgia, structural geology	7: 1297-1305	Quaternary	4: 841-850	olivine gabbro	
Labrador, Proterozoic	6: 1166-1178	Quebec, Quaternary	8: 1697-1707	Ontario	9: 1886-1897
	5: 913-917	ice sheets		Quebec	9: 1886-1897
Minnesota, Proterozoic			2: 354-371	peridotites, China	8: 1650-1659
Newfoundland, Proterozoic	6: 1166-1178	Canada, Quaternary			
Newfoundland, Proterozoic hornstone see chert		Northwest Territories, Qua-		phonolites, Alberta	
Newfoundland, Proterozoic hornstone <i>see</i> chert Horsecreek Thief Batholith	6: 1166-1178	Northwest Territories, Qua-	28-944; 8: 1749-	phonolites, Alberta plagiogranite, New	foundland 3: 434-448
Newfoundland, Proterozoic hornstone see chert Horsecreek Thief Batholith geochemistry	6: 1166-1178 5: 1076-1090	Northwest Territories, Quaternary 5: 92		phonolites, Alberta plagiogranite, New plutonic rocks, Brit	foundland 3: 434-448 ish Co-
Newfoundland, Proterozoic hornstone see chert Horsecreek Thief Batholith geochemistry Horton Group	6: 1166-1178	Northwest Territories, Quaternary 5: 92 ice wedges	28-944; 8: 1749-	phonolites, Alberta plagiogranite, New plutonic rocks, Brit lumbia	foundland 3: 434-448 iish Co- 5: 1014-1027
Newfoundland, Proterozoic hornstone see chert Horsecreek Thief Batholith geochemistry	6: 1166-1178 5: 1076-1090	Northwest Territories, Quaternary 5: 92	28-944; 8: 1749-	phonolites, Alberta plagiogranite, New plutonic rocks, Brit	foundland 3: 434-448 iish Co- 5: 1014-1027

rhyolites, Quebec	9: 1934-1954	deformation	8	8: 1674-1675	Isortoq Northwest Te	erritories
syenites, Ontario	1: 145-158	dikes			Quaternary	5: 954-974
tholeiite		Canada	5	3: 1582-1593	isostasy	
Ontario	6: 1286-1296	Labrador		5: 1141-1146	Alberta, Quaternary	9: 1846-1852
Quebec	6: 1286-1296	Newfoundland 6:			Canada, Quaternary	8: 1676-1696
tholeiitic basalt	0112001270	rewidendiand o.	11-11-11-	2509	Quebec, Quaternary	
Canada	8: 1582-1593	Mana Castia	10.00			
		Nova Scotia	12: 22	95-2304; 12:	isothermal remanent	
Labrador	6: 1141-1146			2495-2509	Northwest Territorie	
Newfoundland	6: 1141-1146	Quebec		1: 124-131	zinc deposits	5: 1028-1036
trachytes, British Columb two-mica granite, British	Co-	6	6: 1110-1	122; 9: 1924- 1933	isotopes see also stabl C-13/C-12	le isotopes
lumbia	5: 1076-1090	Labrador, Proterozoic		7: 1470-1489	Arctic region	4: 806-813
volcanic rocks, Newfound	1-	layered intrusions, Qu	iebec	1:11-28	Quebec	9: 1881-1885
land	3: 644-646	Newfoundland, Proter		7: 1470-1489	Saskatchewan	4: 743-753
Ikechosaurus sunailinae		Ontario, geochemistry		1: 145-158	Spitsbergen	4: 806-813
Vertebrata	10-11: 2153-2162		y	1. 145-150	Yukon Territory	9: 1870-1880
Ikpikpuk River	10 111 2100 2102	plutons			C-14	2. 10.0 1000
Vertebrata	5: 1007-1013	Alaska		4: 764-768		1. 102 109 5 1007
		British Columbia	1.	2: 2305-2314	Alaska	1: 103-108; 5: 1007-
Illisarvik Northwest Terri		Canadian Shield		1: 42-47		1013
permafrost	3: 509-518	Labrador		6: 1141-1146	British Columbia	4: 832-840
Quaternary	8: 1720-1729			15-2327; 12:	Canada	8: 1676-1696
illite			- 400 300	2423-2435	Montana	3: 535-552
Saskatchewan, metal ores	4: 689-704	Minnesota	1	2: 2510-2522	New Brunswick	6: 1242-1253
imbricate tectonics		Newfoundland		6: 1141-1146	New York	9: 1829-1845
British Columbia	3:631-643	Newfoundland			Northwest Ter-	7. 1027 1015
Ontario, geochronology	6: 1155-1165			315-2327; 12:	ritories	1: 103-108; 5: 954-974
			2328-23	33; 12: 2423-	Nova Scotia	
Quebec	3: 591-602			2435		6: 1242-1253
inclination, magnetic see m		Nova Scotia	1: 1-1	0; 3: 449-464	Ontario	12: 2436-2447
inclusions see also fluid in	clusions	Ontario	1:29-41;	6: 1179-1196	Quaternary	4: 841-850
xenoliths, Quebec	1: 124-131	Ouebec		1: 11-28	Quebec	7: 1390-1403; 8: 1715-
Indian Islands Group			. 29-41-1	: 124-131; 9:		1719
tectonics	12: 2481-2494	•		1924-1933	Washington	3: 535-552
Indian Ocean		atenti aene hu		5: 1037-1048	D/H, geochemistry	1: 109-112
stratigraphy	2:391-411	stratigraphy			Nd-144/Nd-143	
Indus-Yarlung Zangbo su		Washington		7: 1306-1323	Alaska	5: 975-984
9 9		Quebec, Proterozoic		7: 1453-1457		
petrology	8: 1650-1659	sills			British Columbia	
Inner Mongolia China see		Alberta		8: 1644-1649		1: 132-144; 5: 1076-
Reptilia 10-	11: 1997-2001; 10-	Canada		8: 1582-1593		1090
	11: 1997-2272	Newfoundland		8: 1607-1612	Labrador	6: 1141-1146
stratigraphy	10-11: 2180-2195	Ontario		6: 1123-1140	Newfoundland	3: 434-448; 6: 1141-
Vertebrata	10-11: 2096-2100	intrusive mountain see				1146
	11: 2107-2127: 10-				Nova Scotia	3: 449-464
	2128-2138; 10-11:	Invertebrata see Arthro				emistry 12: 2273-2282
11.		invertebrates see arthro	opods; co	rals; foramin-	O-18	Chasay 12. 22/3-2202
	2139-2152; 10-11:	ifers; graptolites; m	nollusks; r	adiolarians		4 906 912
	2153-2162; 10-11:	Iowa			Arctic region	4: 806-813
	2163-2173; 10-11:	Precambrian			Spitsbergen	4: 806-813
	2174-2176; 10-11:	Lyon County Iowa	9	6: 1275-1285	O-18/O-16	
	2177-2179; 10-11:			6: 1275-1285	Atlantic Ocean	7: 1385-1389
	2214-2223; 10-11:	Sioux County Iow	a	0. 12/3-1283	geochemistry	1: 109-112
	2248-2254	Ir see iridium			Quebec	9: 1934-1954
inner transition elements s	and the second of	Iren Dabasu Formatio			Saskatchewan	4: 689-704
Insecta	o and out in	Vertebrata	10-1	1:2214-2223	Yukon Territory	
		iridium				
Coleoptera, Northwest T		Yukon Territory, stra	atigra-		Pb-207/Pb-204, Ala	
tories	5: 954-974	phy	Dr. o.	9: 1870-1880	Pb-207/Pb-206, Sas	
insects		iron formations		7. 1070-1000	wan	4: 754-763
Northwest Territories, Q	ua-				Pb-208/Pb-206, Sas	
ternary	5: 954-974	Northwest Territories	s, gold		wan	4: 754-763
ternary		ores		8: 1566-1581	S-34/S-32, Ontario	9: 1955-1969
Insular Belt		irrotational wave see P	-waves		Sm-147/Nd-144, N	
	5: 1014-1027		e intrusio	ns	land	3: 434-448
Insular Belt faults	5: 1014-1027	irruption (intrusion) se				5, 757 77
Insular Belt faults Intermontane Belt		irruption (intrusion) se island arcs see also ba	ack-arc ba	isins	Sr-87/Sr-86	
Insular Belt faults Intermontane Belt faults	5: 1014-1027	island arcs see also ba		isins	Sr-87/Sr-86	2, 510 524 5, 075 00
Insular Belt faults Intermontane Belt faults intrusions see also contact	5: 1014-1027 t metamorphism	island arcs see also ba British Columbia, str			Alaska	
Insular Belt faults Intermontane Belt faults intrusions see also contac Arizona, stratigraphy	5: 1014-1027	island arcs see also ba British Columbia, str geology	ructural	3:631-643		a 1: 132-144; 5: 1076
Insular Belt faults Intermontane Belt faults intrusions see also contac Arizona, stratigraphy batholiths	5: 1014-1027 t metamorphism	island arcs see also ba British Columbia, str geology Nova Scotia, geocher	ructural emistry		Alaska British Columbia	1090
Insular Belt faults Intermontane Belt faults intrusions see also contac Arizona, stratigraphy	5: 1014-1027 t metamorphism	island arcs see also ba British Columbia, str geology Nova Scotia, geocher Island County Washi	ructural emistry	3: 631-643 12: 2273-2282	Alaska British Columbia Labrador	a 1: 132-144; 5: 1076 1090
Insular Belt faults Intermontane Belt faults intrusions see also contac Arizona, stratigraphy batholiths British Colum-	5: 1014-1027 t metamorphism	island arcs see also ba British Columbia, str geology Nova Scotia, geocher	ructural emistry	3:631-643	Alaska British Columbia	a 1: 132-144; 5: 1076 1090 6: 1141-1140
Insular Belt faults Intermontane Belt faults intrusions see also contac Arizona, stratigraphy batholiths British Colum-	5: 1014-1027 t metamorphism 7: 1415-1426	island arcs see also ba British Columbia, str geology Nova Scotia, geocher Island County Washi	ructural emistry ington	3: 631-643 12: 2273-2282	Alaska British Columbia Labrador	a 1: 132-144; 5: 1076 1090 6: 1141-114 6: 1141-114
Insular Belt faults Intermontane Belt faults intrusions see also contac Arizona, stratigraphy batholiths British Colum-	5: 1014-1027 t metamorphism 7: 1415-1426	island arcs see also ba British Columbia, str geology Nova Scotia, geoche Island County Washi Quaternary	ructural emistry ington	3: 631-643 12: 2273-2282	Alaska British Columbia Labrador Newfoundland	a 1: 132-144; 5: 1076

Itasca County Minnesota		Kootenay Arc		lava	
geochemistry	12: 2510-2522	geochemistry	5: 1076-1090	Alaska, geochemistry	5: 975-984
Itcha volcanic complex		Labrador see also Gren		British Columbia, geoch	em-
geochemistry	1: 132-144	gava	1	istry	1: 132-144
Jefferson County Washingto	on	geochemistry, Nain Ma	assif 6: 1141-1146	Canada, geochronology	8: 1582-1593
Quaternary	9: 1815-1828	Proterozoic	7: 1470-1489	Michigan	7: 1404-1414
jokulhlaups		Nain Massif	6: 1166-1178	Newfoundland, geochen	
British Columbia, hydrology	3: 499-508	tectonophysics	9: 1782-1798	try	3: 434-448
Joutel Quebec		uranium ores	12: 2352-2365	lava domes see shield volc	canoes
Archean	1: 11-28	Labrador Sea		layered intrusions	
Juan de Fuca Ridge		Quaternary	7: 1385-1389	Quebec, Archean	1: 11-28
tectonophysics	2: 278-300	Labrador Trough	G 1505 1500	lead	
Judith River Formation	1: 174-200	geochemistry	7: 1505-1520	British Columbia, geoch	
	0-11: 2255-2272	geochronology	8: 1582-1593	istry	5: 1076-1090
Junggar Basin	11.2012 2026	Labradorian Orogeny Proterozoic	12: 2315-2327	Labrador, geochemistry Newfoundland, geochen	6: 1141-1146
	0-11: 2013-2026	Lac Pelletier lower fau			6: 1141-1146
	2027-2036; 10- 37-2081; 10-11:	Vertebrata	8: 1613-1617	try Pb-207/Pb-204, Alaska	5: 975-984
11.20	2082-2095	lacustrine features see la		Pb-207/Pb-204, Alaska Pb-207/Pb-206, Saskatcl	
Jurassic	2002-2075	lacustrine sedimentatio		wan	4: 754-763
Atlantic Ocean	2: 391-411	glaciolacustrine sedir		Pb-208/Pb-206, Saskatc	
	; 12: 2305-2314	China, stratigraphy	10-11: 2180-2195	wan	4: 754-763
	0-11: 1997-2001	Lake Arkona		lead glance see galena	
	1997-2272; 10-	Quaternary	12: 2436-2447	lead-lead see Pb/Pb	
11: 20	13-2026; 10-11:	Lake County Ohio		lead-zinc deposits see mis	sissippi valley-type
20	27-2036; 10-11:	Quaternary	6: 1236-1241	lead-zinc ores see lead-zin	ic deposits
20	37-2081; 10-11:	Lake Erie		Leamington Ontario	
	2082-2095	Quaternary 6:	: 1236-1241; 8: 1741-	Quaternary	12: 2436-2447
Indian Ocean	2: 391-411		1748	Leg 105 see ODP Site 645	5; ODP Site 646
Northwest Territories	2: 301-320	Lake Matagami see Mata	agami	Leptopterygius solei	
Sinemurian		Lake Maumee		Vertebrata	6: 1197-1204
British Columbia	4: 819-831	Ontario, Quaternary	12: 2436-2447	level, changes of see chan	
England	6: 1197-1204	Lake Melville Terrane	10 0015 0005	Lewis and Clark County	
K-T boundary	0. 1001 1006	Proterozoic	12: 2315-2327	geochronology	5: 1066-1075
Montana K/Ar	9: 1981-1996	Lake Superior region	5.012.017	limestone see dolomitizati	ion
Alaska, geochemistry	5: 975-984	Proterozoic Lake Whittlesey	5: 913-917	limnology	6: 1099-1109
Canada, stratigraphy	1: 174-200	Quaternary	12: 2436-2447	Manitoba, hydrology Lincoln County Montan	
Georgia, structural geology		lakes see glacial lakes	12. 2430-2447	stratigraphy	12: 2404-2422
Saskatchewan	7. 1277-1303	Lambeosauridae		lineaments	12. 2404 2422
metal ores	4: 689-704	Vertebrata	5:997-1006	Newfoundland, tectonic	s 12: 2481-2494
uranium ores	4: 720-730	laminations	5.777 1000	lineation see folds; foliation	
United States, stratigraphy	1: 174-200	British Columbia, Qua	ter-	lineations see lineation	
K/T boundary see K-T bound	ary	nary	9: 1815-1828	liquid inclusions see fluid	inclusions
Kansu China see Gansu China	a	Washington, Quaterna	ry 9: 1815-1828	Liscomb Complex	
Kenora District Ontario		lamprophyres		geochemistry	3:449-464
Archean	6: 1179-1196	Nova Scotia, geochem	istry 12: 2295-2304	Lissamphibia	
Kenoran Orogeny		landslides		Alberta	4: 814-818
Ontario, geochemistry	6: 1123-1140	Northwest Territories,		lithogeochemistry see al.	
Quebec	1:11-28	ternary	8: 1708-1714	anomalies; metasomat	ism; sedimentary
geochemistry	6: 1110-1122	lanthanoans see rare ear	ths	rocks	£ 055 004
Keweenaw County Michiga		Lapparent Massif	1.40.47	Alaska	5: 975-984
petrology	7: 1404-1414	Archean	1: 42-47	British Columbia	5: 1076-1090
Keweenawan see Portage Lak Khunnuchelys	le Lava Series	Laramide Orogeny Northwest Territories.	l-ad	geochronology	12: 2305-2314 2: 333-353
	0-11: 2214-2223	zinc deposits	5: 1028-1036	Canada, Quaternary	
Kikkertavak dike swarm	0-11. 2214-2223	lateral faults see right-la		Iowa, Precambrian Labrador	6: 1275-1285 6: 1141-1146
Proterozoic	7: 1490-1504	laterites	iciai iaulis	Minnesota	12: 2510-2522
Kinderhookian see Banff For		Mali, gold ores	8: 1553-1565		3: 434-448; 6: 1141-
King County Washington	THATON	latitude, paleo- see paleo		rewroundand	1146
Quaternary	9: 1815-1828	Laurasia	Januac	Silurian	8: 1607-1612
Kirkland Lake Ontario		China, Mesozoic	10-11: 2002-2012	structural geology	12: 2495-2509
Archean	1: 29-41	Laurentia		Northwest Territories, p	
klippen		Ontario, Proterozoic	12: 2523-2527	ogy	4: 867-880
British Columbia, structural	1	Laurentian Plateau see C		Nova Scotia	3: 449-464
geology	3: 631-643	Laurentide ice sheet			147-1154; 12: 2273-
stratigraphy	9: 1898-1913	Northwest Territories,	Qua-		2282; 12: 2295-2304
knickpoints		ternary	4: 851-866; 8: 1749-	structural geology	12: 2495-2509
Ontario, geomorphology	5: 945-953		1758	Ontario	6: 1123-1140

sedimentary petrology	6: 1209-1223	lower Precambrian see Arches		Northwest Territories, lead-	£ 1000 100/
Proterozoic	7: 1490-1504	lower Proterozoic see Aphel	man; wollaston	zinc deposits	5: 1028-1036
Quebec 7: 150	5-1520; 7: 1521-	Group		stratigraphy	5: 1037-1048
	1531	Lower Silurian see Wenlock	cian; Whirlpool	magnetic excursions	
metal ores	9: 1934-1954	Sandstone		Great Lakes, Quaternary	8: 1741-1748
Washington, structural geo		Ludlovian		magnetic field	
ogy	7: 1306-1323	Northwest Territories 3: 49	11-498; 8: 1634-	earthquakes	2:372-390
Lithoprobe			1643	magnetic inclination	
Alberta, tectonics	1:77-93	Luobusa Ophiolite		Arizona, stratigraphy	7: 1415-1426
British Columbia		petrology	8: 1650-1659	Great Lakes, Quaternary	8: 1741-1748
faults	5: 1014-1027	Luohandong Formation	011000 1007		0.1/41-1/40
geochronology	12: 2305-2314		2139-2152; 10-	Newfoundland, stratigra-	
		venebiata 10-11.		4 -	546; 4: 776-786
structural geology	12: 2389-2403	F . N. 41	11: 2153-2162	Northwest Territories, lead-	
tectonics	1:77-93	Lupin Mine		zinc deposits	5: 1028-1036
Labrador, Proterozoic	7: 1458-1469	gold ores	8: 1566-1581	stratigraphy	5: 1037-1048
Newfoundland		Lyon County Iowa		magnetic intensity	
geochronology	8: 1594-1606	Precambrian	6: 1275-1285	Michigan, petrology	7: 1404-1414
orogeny	9: 1759-1772	M-discontinuity see Mohorov	ricic discontinu-		
Proterozoic	7: 1458-1469	ity		magnetic iron ore see magneti	
Nova Scotia, Pro-	7.1150 1107	Maastrichtian see Maestrichti	on	magnetic methods	2: 243-260
	1 10 2 474 470			magnetic minerals	
	1-10; 3: 474-479	Mackenzie District Northwe		Venezuela, stratigraphy	12: 2380-2388
Quebec		see also Lupin Mine; Pine		magnetic surveys see also ma	
geochemistry	6: 1110-1122	district; Tuktoyaktuk Peni	nsula	lies	0
geochronology	5: 1056-1065		51-866; 8: 1720-	earthquakes	2: 372-390
lithostratigraphy			1729		
Alberta, Quaternary	9: 1846-1852	Maestrichtian		magnetism, paleo- see paleom	agnetism
British Columbia, geochen			0-11:2255-2272	magnetite	
				Michigan, petrology	7: 1404-1414
istry	1: 132-144	Saskatchewan	4: 769-775	Northwest Territories, lead-	
Canada 1: 17	74-200; 12: 2404-		0-11:2255-2272	zinc deposits	5: 1028-1036
	2422	Uzbekistan 10	0-11: 2255-2272	Ontario, metal ores	12: 2366-2379
faults	9: 1773-1781	mafic magmas			
Montana	9: 1981-1996	Canada, geochronology	8: 1582-1593	Venezuela, stratigraphy	12: 2380-2388
Newfoundland		magma see magmas		magnetization see remanent	magnetization;
orogeny	9: 1759-1772	magma chambers		saturation magnetization	
tectonics	12: 2481-2494		12: 2283-2294	magnetostratigraphy	
		Quebec, geochemistry		Montana, paleomagnetism	9: 1981-1996
Northwest Territories 2:3		magmas see also fractional cr	rystamzanon;	Mali	
	1923	magmatic differentiation		gold ores	8: 1553-1565
Quaternary	4: 851-866	British Columbia	1: 132-144	Mamenchisaurus sinocanad	
Nova Scotia, Quaternary	7: 1374-1384	Iowa, Precambrian	6: 1275-1285		
Ontario	12: 2475-2480	Labrador			0-11:2082-2095
Poland, sedimentation	9: 1799-1814	geochemistry	6: 1141-1146	Mammalia	
Quaternary	4: 841-850	Proterozoic	6: 1166-1178	Bovidae, Ontario	12: 2436-2447
				Fissipeda, Alaska	5: 1007-1013
Saskatchewan, uranium or		mafic magmas, Canada	8: 1582-1593	Mastodontidae	
United States 1: 1'	74-200; 12: 2404-	Newfoundland		New Brunswick	6, 1242 1252
	2422	geochemistry 3: 4:	34-448; 6: 1141-		6: 1242-1253
Wyoming	12: 2475-2480		1146	Nova Scotia	6: 1242-1253
Little Bear River		Proterozoic	6: 1166-1178	Multituberculata	8: 1613-1617
Quaternary	4: 851-866	Quebec	1: 124-131	Pinnipedia, Quebec	8: 1715-1719
Lobograptus cornuatus		Archean	9: 1970-1980	mammals	
stratigraphy	3: 491-498	geochemistry	7: 1505-1520	China, stratigraphy 10	-11:2180-2195
	3. 471-470			Montana, paleomagnetism	9: 1981-1996
Logan Loop	0 4004 4005	tectonophysics	5: 908-912	Ontario, Quaternary	
	9: 1886-1897	magmatic differentiation			12: 2436-2447
stratigraphy	21 1000 1071	Labrador, petrology	12: 2423-2435	Mammut americanum	
stratigraphy Long Range Inlier	7. 1000 1077		10.0400 0405	Quaternary	6: 1242-1253
Long Range Inlier	8: 1594-1606		12: 2423-2435		
Long Range Inlier geochronology	8: 1594-1606	Newfoundland, petrology		Mammutidae see Mastodontio	lae
Long Range Inlier geochronology longitudinal wave see P-way	8: 1594-1606	Newfoundland, petrology Ontario, geochemistry	6: 1123-1140		lae
Long Range Inlier geochronology longitudinal wave see P-wav Lorain County Ohio	8: 1594-1606 //es	Newfoundland, petrology Ontario, geochemistry magnetic anomalies	6: 1123-1140	Manchurochelys	
Long Range Inlier geochronology longitudinal wave see P-wav Lorain County Ohio Quaternary	8: 1594-1606	Newfoundland, petrology Ontario, geochemistry magnetic anomalies Iowa, Precambrian		Manchurochelys Vertebrata	lae 0-11:2139-2152
Long Range Inlier geochronology longitudinal wave see P-wav Lorain County Ohio Quaternary low-grade metamorphism	8: 1594-1606 /es 6: 1236-1241	Newfoundland, petrology Ontario, geochemistry magnetic anomalies Iowa, Precambrian Newfoundland	6: 1123-1140 6: 1275-1285	Manchurochelys Vertebrata Mandibulata see Insecta	
Long Range Inlier geochronology longitudinal wave see P-wav Lorain County Ohio Quaternary low-grade metamorphism Nova Scotia, geochemistry	8: 1594-1606 6: 1236-1241 7 6: 1147-1154	Newfoundland, petrology Ontario, geochemistry magnetic anomalies Iowa, Precambrian Newfoundland structural geology	6: 1123-1140 6: 1275-1285 12: 2495-2509	Manchurochelys Vertebrata 10 Mandibulata see Insecta manganese	
Long Range Inlier geochronology longitudinal wave see P-wav Lorain County Ohio Quaternary low-grade metamorphism	8: 1594-1606 6: 1236-1241 7 6: 1147-1154	Newfoundland, petrology Ontario, geochemistry magnetic anomalies Iowa, Precambrian Newfoundland	6: 1123-1140 6: 1275-1285	Manchurochelys Vertebrata Mandibulata see Insecta	0-11:2139-2152
Long Range Inlier geochronology longitudinal wave see P-wav Lorain County Ohio Quaternary low-grade metamorphism Nova Scotia, geochemistry	8: 1594-1606 6: 1236-1241 7 6: 1147-1154	Newfoundland, petrology Ontario, geochemistry magnetic anomalies Iowa, Precambrian Newfoundland structural geology	6: 1123-1140 6: 1275-1285 12: 2495-2509 2: 261-277	Manchurochelys Vertebrata 10 Mandibulata see Insecta manganese	
Long Range Inlier geochronology longitudinal wave see P-way Lorain County Ohio Quaternary low-grade metamorphism Nova Scotia, geochemistry Ontario, sedimentary petro ogy	8: 1594-1606 6: 1236-1241 7 6: 1147-1154 6: 1209-1223	Newfoundland, petrology Ontario, geochemistry magnetic anomalies Iowa, Precambrian Newfoundland structural geology tectonophysics Nova Scotia, structural geol	6: 1123-1140 6: 1275-1285 12: 2495-2509 2: 261-277	Manchurochelys Vertebrata 16 Mandibulata see Insecta manganese Yukon Territory, stratigra-	9: 1870-1880
Long Range Inlier geochronology longitudinal wave see P-wav Lorain County Ohio Quaternary low-grade metamorphism Nova Scotia, geochemistry Ontario, sedimentary petro ogy Venezuela, stratigraphy	8: 1594-1606 6: 1236-1241 7 6: 1147-1154 6: 1209-1223 12: 2380-2388	Newfoundland, petrology Ontario, geochemistry magnetic anomalies Iowa, Precambrian Newfoundland structural geology tectonophysics Nova Scotia, structural geology	6: 1123-1140 6: 1275-1285 12: 2495-2509 2: 261-277 1- 12: 2495-2509	Manchurochelys Vertebrata 10 Mandibulata see Insecta manganese Yukon Territory, stratigra- phy Manitoba see also Williston	9: 1870-1880 Basin
Long Range Inlier geochronology longitudinal wave see P-wav Lorain County Ohio Quaternary low-grade metamorphism Nova Scotia, geochemistry Ontario, sedimentary petro ogy Venezuela, stratigraphy Lower Carboniferous see Di	8: 1594-1606 6: 1236-1241 7 6: 1147-1154 6: 1209-1223 12: 2380-2388 nantian	Newfoundland, petrology Ontario, geochemistry magnetic anomalies Iowa, Precambrian Newfoundland structural geology tectonophysics Nova Scotia, structural geology Pacific Ocean, tectonophys	6: 1123-1140 6: 1275-1285 12: 2495-2509 2: 261-277 1- 12: 2495-2509	Manchurochelys Vertebrata 10 Mandibulata see Insecta manganese Yukon Territory, stratigra- phy Manitoba see also Williston hydrology	9: 1870-1880
Long Range Inlier geochronology longitudinal wave see P-wave Lorain County Ohio Quaternary low-grade metamorphism Nova Scotia, geochemistry Ontario, sedimentary petro ogy Venezuela, stratigraphy Lower Carboniferous see Di Lower Cretaceous see A	8: 1594-1606 6: 1236-1241 7 6: 1147-1154 6: 1209-1223 12: 2380-2388 nantian	Newfoundland, petrology Ontario, geochemistry magnetic anomalies Iowa, Precambrian Newfoundland structural geology tectonophysics Nova Scotia, structural geology Pacific Ocean, tectonophysics	6: 1123-1140 6: 1275-1285 12: 2495-2509 2: 261-277 1- 12: 2495-2509	Manchurochelys Vertebrata 10 Mandibulata see Insecta manganese Yukon Territory, stratigra- phy Manitoba see also Williston hydrology Manitou Falls Formation	9: 1870-1880 Basin 6: 1099-1109
Long Range Inlier geochronology longitudinal wave see P-wave Lorain County Ohio Quaternary low-grade metamorphism Nova Scotia, geochemistry Ontario, sedimentary petro ogy Venezuela, stratigraphy Lower Carboniferous see Di Lower Cretaceous see Aj Group	8: 1594-1606 6: 1236-1241 7 6: 1147-1154 6: 1209-1223 12: 2380-2388 nantian ptian; Mannville	Newfoundland, petrology Ontario, geochemistry magnetic anomalies Iowa, Precambrian Newfoundland structural geology tectonophysics Nova Scotia, structural geol ogy Pacific Ocean, tectonophys ics magnetic declination	6: 1123-1140 6: 1275-1285 12: 2495-2509 2: 261-277 12: 2495-2509 2: 278-300	Manchurochelys Vertebrata 10 Mandibulata see Insecta manganese Yukon Territory, stratigraphy Manitoba see also Williston hydrology Manitou Falls Formation uranium ores	9: 1870-1880 Basin
Long Range Inlier geochronology longitudinal wave see P-wav Lorain County Ohio Quaternary low-grade metamorphism Nova Scotia, geochemistr Ontario, sedimentary petro ogy Venezuela, stratigraphy Lower Carboniferous see Di Lower Cretaceous see Aj Group lower Liassic see Sinemuria	8: 1594-1606 6: 1236-1241 7 6: 1147-1154 6: 1209-1223 12: 2380-2388 nantian ptian; Mannville	Newfoundland, petrology Ontario, geochemistry magnetic anomalies Iowa, Precambrian Newfoundland structural geology tectonophysics Nova Scotia, structural geology Pacific Ocean, tectonophysics magnetic declination Arizona, stratigraphy	6: 1123-1140 6: 1275-1285 12: 2495-2509 2: 261-277 12: 2495-2509 2: 278-300 7: 1415-1426	Manchurochelys Vertebrata 10 Mandibulata see Insecta manganese Yukon Territory, stratigraphy Manitoba see also Williston hydrology Manitou Falls Formation uranium ores Manitoulin Formation	9: 1870-1880 Basin 6: 1099-1109 4: 653-673
Long Range Inlier geochronology longitudinal wave see P-wav Lorain County Ohio Quaternary low-grade metamorphism Nova Scotia, geochemistry Ontario, sedimentary petro ogy Venezuela, stratigraphy Lower Carboniferous see Di Lower Cretaceous see Ay Group lower Liassic see Sinemuria Lower Mississippian see Ki	8: 1594-1606 6: 1236-1241 7 6: 1147-1154 6: 1209-1223 12: 2380-2388 nantian ptian; Mannville n nderhookian	Newfoundland, petrology Ontario, geochemistry magnetic anomalies Iowa, Precambrian Newfoundland structural geology tectonophysics Nova Scotia, structural geology Pacific Ocean, tectonophysics magnetic declination Arizona, stratigraphy Great Lakes, Quaternary	6: 1123-1140 6: 1275-1285 12: 2495-2509 2: 261-277 12: 2495-2509 2: 278-300	Manchurochelys Vertebrata 10 Mandibulata see Insecta manganese Yukon Territory, stratigraphy Manitoba see also Williston hydrology Manitou Falls Formation uranium ores Manitoulin Formation sedimentary petrology	9: 1870-1880 Basin 6: 1099-1109
Long Range Inlier geochronology longitudinal wave see P-wav Lorain County Ohio Quaternary low-grade metamorphism Nova Scotia, geochemistr Ontario, sedimentary petro ogy Venezuela, stratigraphy Lower Carboniferous see Di Lower Cretaceous see Aj Group lower Liassic see Sinemuria	8: 1594-1606 6: 1236-1241 7 6: 1147-1154 6: 1209-1223 12: 2380-2388 nantian ptian; Mannville n nderhookian	Newfoundland, petrology Ontario, geochemistry magnetic anomalies Iowa, Precambrian Newfoundland structural geology tectonophysics Nova Scotia, structural geology Pacific Ocean, tectonophysics magnetic declination Arizona, stratigraphy	6: 1123-1140 6: 1275-1285 12: 2495-2509 2: 261-277 12: 2495-2509 2: 278-300 7: 1415-1426	Manchurochelys Vertebrata 10 Mandibulata see Insecta manganese Yukon Territory, stratigraphy Manitoba see also Williston hydrology Manitou Falls Formation uranium ores Manitoulin Formation	9: 1870-1880 Basin 6: 1099-1109 4: 653-673

mantle see also heat flow; hot		Mesozoic see also Cretace	ous; Jurassic;	gneisses	
transitions; sea-floor spread		Triassic		British Columbia	
Alaska, geochemistry	5: 975-984	British Columbia	5: 918-927	faults	9: 1773-1781
Canada, geochronology	8: 1582-1593	China	10-11: 2002-2012	Iowa	6: 1275-1285
China, petrology	8: 1650-1659	Newfoundland	8: 1594-1606	Labrador	7: 1470-1489
Labrador, geochemistry	6: 1141-1146	metabasalt		Minnesota	5: 913-917
Newfoundland, geochemis-		British Columbia, metal	ores 1: 48-59	Newfoundland	7: 1470-1489
try	6: 1141-1146	Quebec, geochemistry	12: 2283-2294	Northwest Territ	
Ontario, tectonics	3: 647-650	metabasite	12. 2203-2274	Nova Scotia	3: 449-464; 3: 474-479
			E. 00E 00/	Ontario	3: 647-650
Manville Formation see Manny	ше Огоир	Ontario	5: 985-996		
maps		Washington, structural go		Quebec	5: 1056-1065; 9: 1970-
bathymetric maps, Pacific		ogy	7: 1306-1323		1980
Ocean	2: 278-300	metaconglomerate		Saskatchewan	4: 653-673; 4: 731-742
marbles see ophicalcite		faults	9: 1773-1781	Labrador, uranium	ores 12: 2352-2365
margin, continental see contine	ntal margin	Newfoundland, orogeny	9: 1759-1772	metabasalt	
marine sedimentation see glac		metadiabase	2. 1/3/ 1/12	British Columbia	a 1: 48-59
mentation			1: 60-76	Quebec	12: 2283-2294
marine sediments		Ontario, geochemistry	1:00-70		12. 2203-2294
Alaska, Quaternary 1: 103-1	08- 3- 510-534	metadiorite	0 1000 1001	metabasite	5 005 006
		faults	9: 1773-1781	Ontario	5: 985-996
Canada, tectonophysics	9: 1782-1798	metadolerite see metadiaba	ise	Washington	7: 1306-1323
	12: 2448-2452	metagabbro		metaconglomerate	
Quaternary	1: 103-108	Canada	1: 159-173	faults	9: 1773-1781
Quebec, Quaternary 3: 553	3-574; 7: 1390-	Ontario, tectonics	3:647-650	Newfoundland	9: 1759-1772
	1403	metagranite	5.047-050	metadiabase, Ontai	
marine terraces		-	12: 2423-2435		9: 1773-1781
Canada, Quaternary	8: 1676-1696	Labrador		metadiorite, faults	9: 1//3-1/81
marine transport		Proterozoic 7: 1	458-1469; 7: 1470-	metagabbro	
	12: 2448-2452		1489	Canada	1: 159-173
		Minnesota, geochemistry	12: 2510-2522	Ontario	3: 647-650
Maritime Provinces see Nev	w Brunswick;	Newfoundland	12: 2423-2435	metagranite	
Nova Scotia		Proterozoic 7: 1	458-1469; 7: 1470-	Labrador	7: 1458-1469
marshes see salt marshes			1489	Labrador	7: 1470-1489: 12: 2423-
mass extinctions		Nova Scotia, Proterozoio			
British Columbia, stratigra-				2.41	2435
phy	4: 819-831	metaigneous rocks see al.		Minnesota	12: 2510-2522
Yukon Territory, stratigra-		metabasite; metadiabas		Newfoundland	7: 1458-1469
phy	9: 1870-1880	metagabbro; metakoma	atiite		7: 1470-1489; 12: 2423-
		Iowa, Precambrian	6: 1275-1285		2435
mass movements see landslides	S	Labrador, Proterozoic	12: 2315-2327	Nova Scotia	1: 1-10
massive deposits		Newfoundland		metaigneous rocks	
British Columbia, metal ores		gold ores	7: 1532-1546		
Quebec, metal ores	9: 1934-1954			Iowa	6: 1275-1285
massive sulfide deposits		Proterozoic	12: 2315-2327	Labrador	12: 2315-2327
Quebec, metal ores	9: 1934-1954	Proterozoic	7: 1490-1504	Newfoundland	7: 1532-1546; 12: 2315-
Mastodontidae		Quebec, Archean	1: 11-28		2327
New Brunswick, Quaternary	6-12/2-1253	metakomatiite		Proterozoic	7: 1490-1504
	6: 1242-1253	Quebec, geochemistry	6: 1110-1122	Quebec	1: 11-28
Nova Scotia, Quaternary	0: 1242-1233	metal ores see base met		metakomatiite, Qu	ebec 6: 1110-1122
Matagami		copper ores; gold ores;		metapelite	0.1110 1122
Archean	1: 11-28				5 107/ 100/
Matapedia County Quebec		polymetallic ores; sil	ivel oles, uraillulli	British Columbi	
structural geology	3: 591-602	ores; zinc ores		Ontario	5: 985-996
Matinenda Formation		metallogenesis see metallo	ogeny	Saskatchewan	4: 731-742
geochemistry	1:60-76	metallogenic epochs		metaplutonic rocks	S
sedimentary petrology	6: 1209-1223	Saskatchewan, uranium	ores 4: 705-719	Labrador	12: 2423-2435
	0. 1407-1443	metallogeny		Minnesota	12: 2510-2522
Mattagami see Matagami		Labrador, uranium ores	12: 2352-2365	Newfoundland	
McCone County Montana	0 1001 100				12: 2423-2435
paleomagnetism	9: 1981-1996	Newfoundland, uranium		Nova Scotia	6: 1147-1154
McWatters Quebec		ores	12: 2352-2365	Ontario	1: 29-41; 6: 1179-1196
geochemistry	7: 1521-1531	metals see also alkaline ea	arth metals; gold;	Quebec	1: 29-41
Mealy Mountains Terrane		lead; manganese; plati	num group; rare		1: 124-131; 7: 1505-
Proterozoic	12: 2315-2327	earths	-		1520
Meguma Group		Manitoba, hydrology	6: 1099-1109	metasandstone	
geochemistry	3:449-464	metamorphic core comp		Ontario	1: 60-76; 6: 1209-1223
	3. 747-404	British Columbia, structi			
Meguma Zone				Saskatchewan	4: 674-688
geochemistry	12: 2295-2304	geology	6: 1262-1274	metasedimentary r	
structural geology	12: 2495-2509	metamorphic processes		Canadian Shield	3: 465-473
melanite		Northwest Territories, go	old	Iowa	6: 1275-1285
Alberta, petrology	8: 1644-1649	ores	8: 1566-1581	Labrador	12: 2315-2327
	2		0. 1000 1001	Morocco	7: 1332-1337
mesothermal processes	7-1532-1546	metamorphic rocks	6:1110,1122		
	7: 1532-1546 12: 2334-2351	amphibolites, Quebec eclogite, Canada	6: 1110-1122 1: 159-173	Newfoundland	12: 2315-2327; 12 2481-2494

Northwest Tor		Ouches	7. 1521 1521	Mishins	
Northwest Ter- ritories	4: 867-880; 8: 1566-	Quebec Saskatchewan 4: 67	7: 1521-1531	Michigan	
Hones	1581	metapelite 4: 67	4-688; 4: 720-730	petrology, Keweenaw	7: 1404-1414
Nova Scotia	12: 2273-2282	British Columbia, geocher	m.	County Michigan Michigan Upper Peninsula s	
Ontario	12: 2475-2480	istry	5: 1076-1090	County Michigan	ee Keweenaw
Ouebec	6: 1254-1261; 9: 1970-	Ontario	5: 985-996	microfossils see conodonts; for	aminifare nol
Queeee	1980	Saskatchewan, uranium or		ynomorphs; radiolarians	animiners, pai-
Saskatchewan	4: 653-673	metaplutonic rocks	es 4: /31-/42	microseismicity see seismicity	
Venezuela	12: 2380-2388	Labrador	12: 2423-2435	microspherules	
Wyoming	12: 2475-2480	Minnesota, geochemistry	12: 2510-2522	Alberta, sedimentary rocks	8: 1660-1667
metavolcanic rocks		Newfoundland	12: 2423-2435	China, sedimentary rocks	8: 1660-1667
Michigan	7: 1404-1414	Nova Scotia, geochemistr		Northwest Territories, sedi-	0. 1000-1007
Nova Scotia	1: 1-10; 6: 1147-1154		-41: 6: 1179-1196	mentary rocks	8: 1660-1667
Ontario	1: 29-41; 6: 1179-1196	Ouebec 1: 29		mid-ocean ridges see also Jua	
Quebec	1: 11-28	Archean	1: 124-131 1: 29-41	Ridge	11 00 1 000
	1: 29-41; 6: 1110-1122;	geochemistry	7: 1505-1520	tectonophysics	5: 893-907
	7: 1505-1520; 7: 1521-	metasandstone	7. 1303-1320	Middle Devonian see Detroit	
	1531; 9: 1934-1954; 9:	Ontario		Onondaga Limestone	.a.or orosp,
	1970-1980; 12: 2283-		1.60.76	middle Proterozoic see Helikia	n
	2294	geochemistry	1: 60-76	Milankovitch theory	
mylonites		sedimentary petrology	6: 1209-1223	Atlantic Ocean, stratigraphy	2: 391-411
Georgia	7: 1297-1305	Saskatchewan, uranium or		Indian Ocean, stratigraphy	2: 391-411
Saskatchewan	4: 653-673; 7: 1338-	metasedimentary rocks se		mineral deposits, genesis see	
	1354	metaconglomerate; meta		ical controls; hydrogeologi	
Newfoundland, ura-		Canadian Shield, geochro		hydrothermal processes; m	
nium ores	12: 2352-2365	ogy	3: 465-473	its; mesothermal processes	
ophicalcite, British		Iowa, Precambrian	6: 1275-1285	epochs; metallogeny; meta	
bia	3: 631-643	Labrador, Proterozoic	12: 2315-2327	cesses; ore-forming fluids;	
quartzites		Morocco, structural geolo	gy 7: 1332-1337	quartz veins; unconformity	
Canadian Shield	3: 465-473	Newfoundland		Alaska, gold ores	4: 764-768
Ontario	12: 2523-2527	Proterozoic	12: 2315-2327	mineral exploration see also	
schists, Washingtor		tectonics	12: 2481-2494	methods; glaciated terrains	
tonalite gneiss, Can		Northwest Territories	4:867-880	Canada, geophysical surveys	
Shield	1: 42-47	gold ores	8: 1566-1581	Ontario, metal ores	12: 2366-2379
metamorphism		Nova Scotia, geochemistr	y 12: 2273-2282	Quebec, gold ores	9: 1924-1933
burial metamorphis		Ontario, stratigraphy	12: 2475-2480	mineral sequence see paragene	esis
foundland	8: 1594-1606	Quebec		mineral soap see bentonite	
Canada	1: 159-173	Archean	9: 1970-1980	mineralogy see sheet silicates;	sulfides
contact metamorphi		Cambrian	6: 1254-1261	Minnesota	5444400
Labrador	6: 1166-1178	Saskatchewan, uranium or	res 4: 653-673	geochemistry	
Newfoundland	6: 1166-1178	Venezuela, stratigraphy	12: 2380-2388	Itasca County Minnesota	12: 2510-2522
epizonal metamorpi		Wyoming, stratigraphy	12: 2475-2480	Saint Louis County Min-	10.10.10.10.10.1
rocco	7: 1332-1337	metasomatism		nesota	12: 2510-2522
Georgia, structural		hydrothermal alteration		Proterozoic, Carlton County	
high-grade metamo		Michigan	7: 1404-1414	Minnesota	5: 913-917
Canadian Shield Labrador	3: 465-473		34-1954; 12: 2334-	Miocene	
Newfoundland	7: 1470-1489 7: 1470-1489		2351	Badenian, Poland	9: 1799-1814
Ouebec	5: 1056-1065	Saskatchewan 4: 67	4-688; 4: 689-704	miogeosynclines	
Labrador, Proterozo		Ontario, tectonics	3:647-650	Canada, stratigraphy	12: 2404-2422
low-grade metamor		Quebec, geochemistry	6: 1110-1122	United States, stratigraphy	12: 2404-2422
Nova Scotia	6: 1147-1154	metaturbidite		miospores	
Ontario	6: 1209-1223	Nova Scotia, geochemistr	y 12: 2273-2282	New Brunswick, Quaternary	6: 1242-1253
Venezuela	12: 2380-2388	metavolcanic rocks		Northwest Territories, Qua-	
Michigan	7: 1404-1414	Michigan	7: 1404-1414	temary	4: 851-866
	sterozoic 12: 2315-2327	Nova Scotia		Nova Scotia	5: 1091-1098
polymetamorphism		geochemistry	6: 1147-1154		-1253; 7: 1374-
Iowa	6: 1275-1285	Proterozoic	1: 1-10	,	1384
Ontario	5: 985-996		9-41; 6: 1179-1196	Ontario, Quaternary	12: 2436-2447
Washington	7: 1306-1323	Quebec	,	Mira Terrane	
prograde metamor-		Archean	1: 11-28	geochemistry	6: 1147-1154
phism, Northwest			9-41; 9: 1970-1980	Proterozoic	1: 1-10
Territories	4: 867-880; 8: 1566-	geochemistry	6: 1110-1122	structural geology	12: 2495-2509
	1581		505-1520; 7: 1521-	mirrorstone see muscovite	
Quebec, gold ores	12: 2334-2351		31; 12: 2283-2294	Misseni Deposit	
regional metamorpl		metal ores	9: 1934-1954	gold ores	8: 1553-1565
tario	5: 985-996	methane		mississippi valley-type	
retrograde metamoi	phism	Quebec, natural gas	9: 1881-1885	Northwest Territories, lead-	
Northwest Territ	ories 8: 1566-1581	mica group see biotite; mus	covite	zinc deposits	5: 1028-1036

Mississipplan Banff Formation Mn see manganese Mohawk Valley Trilobita 8: 1618-1633	uranium ores	1 (50 (50		
Mn see manganese Mohawk Valley		4: 653-673	Trilobita	
Mohawk Valley	Nain Massif		Mohawk Valley	8: 1618-1633
	geochemistry	6: 1141-1146	Montgomery County New	
Trilohita 8: 1618-1633	Proterozoic	6: 1166-1178	York	8: 1618-1633
	nannofossils		New Zealand see South Island	
Mohorovicic discontinuity 5: 908-912	Atlantic Ocean, stratigraphy		Newfoundland see also Labra	
Alberta, tectonics 1: 77-93	Indian Ocean, stratigraphy	2: 391-411	Devonian	12: 2328-2333
British Columbia 4: 787-805	nappes		geochemistry	3: 434-448
geophysical surveys 7: 1440-1452	Labrador, Proterozoic	7: 1470-1489	geochronology, Great North-	
structural geology 12: 2389-2403	Newfoundland, Proterozoic	7: 1470-1489	ern Peninsula	8: 1594-1606
tectonics 1:77-93	nasturan see pitchblende		gold ores	7: 1532-1546
mollusks	native elements see diamond;	graphite	orogeny	0 1550 1550
Alaska, Quaternary 1: 103-108; 3: 519-534	natural gas see methane		Humber Arm Allochthon	9: 1759-1772
ammonoids, Saskatchewan 4: 769-775	natural remanent magnetiza		Port au Port Peninsula	9: 1759-1772
Northwest Territories, Qua-	Newfoundland, stratigraphy		Silurian, Avalon Peninsula	8: 1607-1612
ternary 1: 103-108	Northwest Territories, lead- zinc deposits	5: 1028-1036	stratigraphy Port au Port Peninsula	3: 644-646 4: 776-786
monazite Labrador, Proterozoic 7: 1470-1489	A	9: 1886-1897		4. //0-/00
	Ontario, stratigraphy		structural analysis, Notre	7: 1547-1552
Newfoundland, Proterozoic 7: 1470-1489	Quebec, stratigraphy	9: 1886-1897	Dame Bay	7: 1347-1332
Quebec Archean 9: 1970-1980	stratigraphy	9: 1898-1913	structural geology, Burin Peninsula	12: 2495-2509
	Venezuela, stratigraphy Navarin Basin	12: 2380-2388	tectonics	12: 2481-2494
geochronology 5: 1056-1065 Mongolia	geochemistry	5: 975-984	tectonophysics	2: 261-277
Vertebrata 10-11: 2096-2100	Nd-144/Nd-143	3.713-704	Newfoundland Island see Av	
Monograptina	Alaska, geochemistry	5: 975-984	Burin Peninsula; Great M	
Northwest Territories, stratig-	British Columbia	J. 713-704	sula; Humber Arm Allo	
raphy 3: 491-498		32-144; 5: 1076-	Dame Bay; Port au Port Pe	
Monolophosaurus jiangi	geochemistry 1. 1	1090	Niagara Escarpment	innsula.
Vertebrata 10-11: 2027-2036	metal ores	1: 48-59	geomorphology	5: 945-953
Montana	Labrador, geochemistry	6: 1141-1146	Niagara Peninsula	0.740 700
geochronology	Newfoundland, geochemis-		geomorphology	5: 945-953
Glacier County Montana 5: 1066-1075		34-448; 6: 1141-	Nipissing see Nipissing Distri-	
Lewis and Clark County	uy 5.4	1146	Nipissing Diabase	et Oliulio
Montana 5: 1066-1075	Nova Scotia, geochemistry	3: 449-464	geochemistry	6: 1123-1140
Pondera County Montana 5: 1066-1075	Nd/Sm see Sm/Nd	5. 447 404	Nipissing District Ontario	0. 1123 1140
Teton County Montana 5: 1066-1075	Needle Falls shear zone		geochemistry	6: 1123-1140
paleomagnetism	structural geology	7: 1338-1354	Noranda Quebec	011120 1110
	Nei Mongol see Inner Mongo		Archean	1: 29-41
Garfield County Montana 9: 1981-1996				
Garfield County Montana 9: 1981-1996 McCone County Montana 9: 1981-1996	Nelson Batholith		metal ores	9: 1934-1954
	Nelson Batholith geochronology	12: 2305-2314	metal ores North Africa see Morocco	9: 1934-1954
McCone County Montana 9: 1981-1996		12: 2305-2314		
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552	geochronology	12: 2305-2314	North Africa see Morocco	alachians; Ca-
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy	geochronology neodymium	12: 2305-2314 5: 975-984	North Africa see Morocco North America see also Appa	alachians; Ca- ntains; Great
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 12: 2404-2422	geochronology neodymium Nd-144/Nd-143		North Africa see Morocco North America see also Appa nadian Shield; Coast Mour	alachians; Ca- ntains; Great
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 12: 2404-2422 Hill County Montana 1: 174-200	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia	5: 975-984	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region	alachians; Ca- ntains; Great
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 12: 2404-2422 Hill County Montana 1: 174-200 Lincoln County Montana 12: 2404-2422	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia	5: 975-984 1: 48-59	North Africa see Morocco North America see also Appr nadian Shield; Coast Mour Lakes; Great Lakes region rior	alachians; Ca- ntains; Great ; Western Inte-
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 12: 2404-2422 Hill County Montana 12: 2404-2422 Vertebrata Glacier County Montana 5: 997-1006	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia	5: 975-984 1: 48-59 32-144; 5: 1076-	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults	alachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 12: 2404-2422 Hill County Montana 12: 2404-2422 Vertebrata Glacier County Montana 5: 997-1006	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1:	5: 975-984 1: 48-59 32-144; 5: 1076- 1090	North Africa see Morocco North America see also Appa nadian Shield; Coast Mout Lakes; Great Lakes region rior faults geochemistry	alachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 12: 2404-2422 Hill County Montana 12: 2404-2422 Vertebrata Glacier County Montana Pondera County Montana Teton County Montana Teton County Montana Montgomery County New York	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146	North Africa see Morocco North America see also Appa nadian Shield; Coast Mout Lakes; Great Lakes region rior faults geochemistry	alachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090
McCone County Montana 9: 1981-1996	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1:	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141-	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147-	alachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 12: 2404-2422 Hill County Montana 1: 174-200 Lincoln County Montana 12: 2404-2422 Vertebrata Glacier County Montana Pondera County Montana Teton County Montana Teton County Montana Teton County Montana Montgomery County New York Trilobita 8: 1618-1633 moraines	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Es	slachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314
McCone County Montana 9: 1981-1996	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4: Nova Scotia	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology	alachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314
McCone County Montana 9: 1981-1996	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4 Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce	5; 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448	North Africa see Morocco North America see also Appa nadian Shield; Coast Mout Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment	alachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953
McCone County Montana 9: 1981-1996	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4: Nova Scotia Sm-147/Nd-144, Newfoundland	5; 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448	North Africa see Morocco North America see also Appa nadian Shield; Coast Mout Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment	alachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953 0-11: 2002-2012
McCone County Montana 9: 1981-1996	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4 Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce	5; 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448	North Africa see Morocco North America see also Appa nadian Shield; Coast Mout Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Es- carpment Mesozoic 10	slachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953 3-11: 2002-2012 1: 48-59
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 1: 2404-2422 Hill County Montana 1: 174-200 Lincoln County Montana 1: 2404-2422 Vertebrata Glacier County Montana Pondera County Montana Teton County Montana Teton County Montana Trilobita 8: 1618-1633 moraines New Zealand, Quaternary 9: 1861-1869 Morocco petroleum 5: 1049-1055 structural geology 7: 1332-1337 morphology see functional morphology	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4: Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce Neoplagiaulacidae Vertebrata Neornithes	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 3: 449-464 4- 3: 434-448 ene 8: 1613-1617	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment Mesozoic 16 metal ores	alachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 1: 174-200 Lincoln County Montana 1: 174-200 Vertebrata Glacier County Montana Teton County Montana Teto	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4: Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce Neoplagiaulacidae Vertebrata Neornithes China 1	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment Mesozoic metal ores natural gas, Saint Lawrence	slachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953 3-11: 2002-2012 1: 48-59
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 1: 2404-2422 Hill County Montana 1: 174-200 Lincoln County Montana 1: 2404-2422 Vertebrata Glacier County Montana 5: 997-1006 Teton County Montana 5: 997-1006 Montgomery County New York Trilobita 8: 1618-1633 moraines New Zealand, Quaternary 9: 1861-1869 Morocco petroleum 5: 1049-1055 structural geology 7: 1332-1337 morphology see functional morphology mosscovite see muscovite mudstone	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4 Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce Neoplagiaulacidae Vertebrata Neornithes China 1 nephelinization	5; 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448 ene 8: 1613-1617 0-11: 2177-2179	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment Mesozoic 16 metal ores natural gas, Saint Lawrence Lowlands Proterozoic Avalon Terrane 1: 1	alachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953 0-11: 2002-2012 1: 48-59 9: 1881-1885 -10; 3: 474-479
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 1: 2404-2422 Hill County Montana 1: 174-200 Lincoln County Montana 12: 2404-2422 Vertebrata Glacier County Montana 5: 997-1006 Pondera County Montana 5: 997-1006 Montgomery County New York Trilobita 8: 1618-1633 moraines New Zealand, Quaternary 9: 1861-1869 Morocco petroleum 5: 1049-1055 structural geology 7: 1332-1337 morphology see functional morphology moscovite see muscovite mudstone Montana, Vertebrata 5: 997-1006	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4: Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce Neoplagiaulacidae Vertebrata Neornithes China 1 nephelinization Ontario, tectonics	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448 ene 8: 1613-1617 0-11: 2177-2179 3: 647-650	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment Mesozoic 10 metal ores natural gas, Saint Lawrence Lowlands Proterozoic Avalon Terrane 1: 1 Lake Superior region	slachians; Ca- tains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953 0-11: 2002-2012 1: 48-59 9: 1881-1885
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 1: 174-200 Lincoln County Montana 1: 174-200 Vertebrata Glacier County Montana Pondera County Montana Teton County Montana Teton County Montana Teton County Montana Montgomery County New York Trilobita 8: 1618-1633 moraines New Zealand, Quaternary 9: 1861-1869 Morocco petroleum 5: 1049-1055 structural geology 7: 1332-1337 morphology see functional morphology moscovite see muscovite mudstone Montana, Vertebrata 5: 997-1006 Multituberculata 5: 997-1006	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4: Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce Neoplagiaulacidae Vertebrata Neornithes China 1 nephelinization Ontario, tectonics nesosilicates see coffinite; general search se	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448 ene 8: 1613-1617 0-11: 2177-2179 3: 647-650	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment Mesozoic 10 metal ores natural gas, Saint Lawrence Lowlands Proterozoic Avalon Terrane 1: 1 Lake Superior region Quaternary, Saint Lawrence	alachians; Ca- tains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953 11: 2002-2012 1: 48-59 9: 1881-1885 -10; 3: 474-479 5: 913-917
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 12: 2404-2422 Hill County Montana 12: 2404-2422 Lincoln County Montana 12: 2404-2422 Vertebrata Glacier County Montana 5: 997-1006 Teton County Montana 5: 997-1006 Montgomery County New York Trilobita 8: 1618-1633 moraines New Zealand, Quaternary 9: 1861-1869 Morocco petroleum 5: 1049-1055 structural geology 7: 1332-1337 morphology see functional morphology moscovite see muscovite mudstone Multituberculata 5: 997-1006 Multituberculata 8: 1613-1617	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4: Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce Neoplagiaulacidae Vertebrata Neornithes China 1 nephelinization Ontario, tectonics nesosilicates see coffinite; general services and serv	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448 ene 8: 1613-1617 0-11: 2177-2179 3: 647-650	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment Mesozoic 10 metal ores natural gas, Saint Lawrence Lowlands Proterozoic Avalon Terrane 1: 1 Lake Superior region Quaternary, Saint Lawrence	alachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953 0-11: 2002-2012 1: 48-59 9: 1881-1885 -10; 3: 474-479
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 1: 22404-2422 Hill County Montana 1: 174-200 Lincoln County Montana 1: 2404-2422 Vertebrata Glacier County Montana Teton County Montana S: 997-1006 S: 997-1006 S: 1618-1633 moraines New Zealand, Quaternary Morocco petroleum S: 1049-1055 structural geology morphology see functional morphology moscovite see muscovite mudstone Multituberculata Multituberculata Multituberculata S: 997-1006 S: 997-1006 S: 1049-1055 S: 1049-10	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4: Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce Neoplagiaulacidae Vertebrata Neornithes China 1 nephelinization Ontario, tectonics nesosilicates see coffinite; getanite; zircon New Brunswick	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448 ene 8: 1613-1617 0-11: 2177-2179 3: 647-650 gamet group; ti-	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment Mesozoic 10 metal ores natural gas, Saint Lawrence Lowlands Proterozoic Avalon Terrane 1: 1 Lake Superior region Quaternary, Saint Lawrence	alachians; Ca- tains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953 11: 2002-2012 1: 48-59 9: 1881-1885 -10; 3: 474-479 5: 913-917
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 1: 2404-2422 Hill County Montana 1: 174-200 Lincoln County Montana 1: 2404-2422 Vertebrata Glacier County Montana Teton County Montana S: 997-1006 Montgomery County New York Trilobita 8: 1618-1633 moraines New Zealand, Quaternary 9: 1861-1863 Morocco petroleum 5: 1049-1055 structural geology 7: 1332-1337 morphology see functional morphology moscovite see muscovite mudstone Montana, Vertebrata 5: 997-1006 Multituberculata 8: 1613-1617 muscovite Minnesota, Proterozoic 5: 913-917	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4: Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce Neoplagiaulacidae Vertebrata Neornithes China 1 nephelinization Ontario, tectonics nesosilicates see coffinite; granite; zircon New Brunswick Quaternary 1: 20	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448 ene 8: 1613-1617 0-11: 2177-2179 3: 647-650 gamet group; ti-	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment Mesozoic 16 metal ores natural gas, Saint Lawrence Lowlands Proterozoic Avalon Terrane 1: 1 Lake Superior region Quaternary, Saint Lawrence Lowlands 8: 1715 stratigraphy	alachians; Ca- tains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 - 5: 945-953 0-11: 2002-2012 1: 48-59 9: 1881-1885 -10; 3: 474-479 5: 913-917 6-1719; 8: 1730- 1740 4: 776-786
McCone County Montana 9: 1981-1996	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4: Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce Neoplagiaulacidae Vertebrata Neornithes China nephelinization Ontario, tectonics nesosilicates see coffinite; granite; zircon New Brunswick Quatemary 1: 20	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448 ene 8: 1613-1617 0-11: 2177-2179 3: 647-650 gamet group; ti-	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment Mesozoic 10 metal ores natural gas, Saint Lawrence Lowlands Proterozoic Avalon Terrane 1: 1 Lake Superior region Quaternary, Saint Lawrence Lowlands 8: 1715 stratigraphy structural geology	alachians; Ca- tains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953 0-11: 2002-2012 1: 48-59 9: 1881-1885 -10; 3: 474-479 5: 913-917 6-1719; 8: 1730- 1740 4: 776-786 2: 209-231
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 1: 2404-2422 Hill County Montana 1: 174-200 Lincoln County Montana 1: 2404-2422 Vertebrata Glacier County Montana 5: 997-1006 Teton County Montana 7: 997-1006 Montgomery County New York Trilobita 8: 1618-1633 moraines New Zealand, Quaternary 9: 1861-1869 Morocco petroleum 5: 1049-1055 structural geology 7: 1332-1337 morphology see functional morphology moscovite see muscovite mudstone Montana, Vertebrata 5: 997-1006 Multituberculata 8: 1613-1617 muscovite Minnesota, Proterozoic 5: 913-917 muskox Ontario, Quaternary 12: 2436-2447 MVT see mississippi valley-type	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4: Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce Neoplagiaulacidae Vertebrata Neornithes China 1 nephelinization Ontario, tectonics nesosilicates see coffinite; generatine; zircon New Brunswick Quatemary 1: 20: Vertebrate 2: 20: Vertebr	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448 ene 8: 1613-1617 0-11: 2177-2179 3: 647-650 gamet group; ti-	North Africa see Morocco North America see also Appa nadian Shield; Coast Mour Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment Mesozoic 10 metal ores natural gas, Saint Lawrence Lowlands Proterozoic Avalon Terrane 1: 1 Lake Superior region Quaternary, Saint Lawrence Lowlands 8: 1715 stratigraphy structural geology	alachians; Ca- tains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953 11: 2002-2012 1: 48-59 9: 1881-1885 -10; 3: 474-479 5: 913-917 6-1719; 8: 1730- 1740 4: 776-786 2: 209-231 61-643; 6: 1262-
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 12: 2404-2422 Hill County Montana 12: 2404-2422 Vertebrata Glacier County Montana Teton County Montana S: 997-1006 S: 997-1006 S: 1618-1633 Moracco petroleum S: 1618-1633 moraines New Zealand, Quaternary Morocco petroleum S: 1049-1055 structural geology T: 1332-1337 morphology see functional morphology moscovite see muscovite mudstone Multituberculata	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4: Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce Neoplagiaulacidae Vertebrata Neornithes China 1 nephelinization Ontario, tectonics nesosilicates see coffinite; gatanite; zircon New Brunswick Quaternary 1: 20: 20: 20: 20: 20: 20: 20: 20: 20: 20	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 3: 449-464 1- 3: 434-448 8: 1613-1617 0-11: 2177-2179 3: 647-650 gamet group; ti- 01; 6: 1242-1253 7: 1324-1331	North Africa see Morocco North America see also Appa nadian Shield; Coast Mout Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment Mesozoic 10 metal ores natural gas, Saint Lawrence Lowlands Proterozoic Avalon Terrane 1: 1 Lake Superior region Quaternary, Saint Lawrence Lowlands 8: 1715 stratigraphy structural geology 3: 63	silachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953 0-11: 2002-2012 1: 48-59 9: 1881-1885 -10; 3: 474-479 5: 913-917 6-1719; 8: 1730- 1740 4: 776-786 2: 209-231 61-643; 6: 1262- 1274
McCone County Montana Quaternary Stratigraphy Flathead County Montana Lincoln County Montana Lincoln County Montana Clacier County Montana Teton County Mont	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4 Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce Neoplagiaulacidae Vertebrata Neornithes China 1 nephelinization Ontario, tectonics nesosilicates see coffinite; granite; zircon New Brunswick Quatemary 1: 20 tectonics New Quebec see Ungava New Quebec Orogeny geochemistry	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448 ene 8: 1613-1617 0-11: 2177-2179 3: 647-650 gamet group; ti- 01; 6: 1242-1253 7: 1324-1331	North Africa see Morocco North America see also Appa nadian Shield; Coast Mout Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment Mesozoic 16 metal ores natural gas, Saint Lawrence Lowlands Proterozoic Avalon Terrane 1: 1 Lake Superior region Quaternary, Saint Lawrence Lowlands 8: 1715 stratigraphy structural geology 3: 63 Avalon Terrane	alachians; Cantains; Great; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953 0-11: 2002-2012 1: 48-59 9: 1881-1885 -10; 3: 474-479 5: 913-917 6-1719; 8: 1730- 1740 4: 776-786 2: 209-231 11-643; 6: 12643; 6: 12643; 6: 1274 12: 2495-2509
McCone County Montana 9: 1981-1996 Quaternary 3: 535-552 stratigraphy Flathead County Montana 12: 2404-2422 Hill County Montana 12: 2404-2422 Vertebrata Glacier County Montana Teton County Montana S: 997-1006 S: 997-1006 S: 1618-1633 Moracco petroleum S: 1618-1633 moraines New Zealand, Quaternary Morocco petroleum S: 1049-1055 structural geology T: 1332-1337 morphology see functional morphology moscovite see muscovite mudstone Multituberculata	geochronology neodymium Nd-144/Nd-143 Alaska British Columbia 1: 1: Labrador Newfoundland 3: 4: Nova Scotia Sm-147/Nd-144, Newfoundland Neogene see Miocene; Plioce Neoplagiaulacidae Vertebrata Neornithes China 1 nephelinization Ontario, tectonics nesosilicates see coffinite; granite; zircon New Brunswick Quatemary 1: 26 Quatemary 1: 26 Rev Quebec See Ungava New Quebec Orogeny geochemistry New York see also Onondag	5: 975-984 1: 48-59 32-144; 5: 1076- 1090 6: 1141-1146 34-448; 6: 1141- 1146 3: 449-464 1- 3: 434-448 ene 8: 1613-1617 0-11: 2177-2179 3: 647-650 gamet group; ti- 01; 6: 1242-1253 7: 1324-1331	North Africa see Morocco North America see also Appa nadian Shield; Coast Mout Lakes; Great Lakes region rior faults geochemistry Avalon Terrane 6: 1147- Kootenay Arc geochronology geomorphology, Niagara Escarpment Mesozoic 10 metal ores natural gas, Saint Lawrence Lowlands Proterozoic Avalon Terrane 1: 1 Lake Superior region Quaternary, Saint Lawrence Lowlands 8: 1715 stratigraphy structural geology 3: 63	silachians; Ca- ntains; Great ; Western Inte- 5: 1014-1027 1154; 12: 2273- 2282 5: 1076-1090 12: 2305-2314 5: 945-953 0-11: 2002-2012 1: 48-59 9: 1881-1885 -10; 3: 474-479 5: 913-917 6-1719; 8: 1730- 1740 4: 776-786 2: 209-231 61-643; 6: 1262- 1274

North American Atlantic see Gulf of Saint Lawrence; L		tectonophysics NRM see natural remanent ma	9: 1782-1798	non-metal deposits, Thund Bay District Ontario	9: 1955-1969
North American Cordillers		Ny Alesund Svalbard	gnenzation	petrology, Hemlo Deposit	5: 985-996
Cordillera	a see Canadian	Quaternary	4: 806-813	Ouaternary, Essex County	3: 983-990
North American Pacific see	Ougan Charlotta	O see oxygen	4. 000-013	, , , ,	10.040/.0447
Basin	Queen Charlotte	O-16/O-18 see O-18/O-16		Ontario	12: 2436-2447
North American Plate		O-10/O-10 see O-16/O-10		sedimentary petrology	12: 2453-2464
British Columbia, tec-		7	4: 806-813	Blind River Ontario	6: 1209-1223
tonophysics	4: 787-805	Arctic region, Quaternary		Elliot Lake Ontario	6: 1209-1223
	5: 1037-1048	Spitsbergen, Quaternary	4: 806-813	stratigraphy	12: 2475-2480
stratigraphy North Atlantic see North Am		O-18/O-16 see also geologic t Atlantic Ocean		ophicalcite	1
North Devon Island see Devo			7: 1385-1389	British Columbia, structura	
North Polar Sea see Arctic O		geochemistry	1: 109-112	geology	3: 631-643
North River Domain	cean	Quebec, metal ores	9: 1934-1954	ophiolite complexes	
Proterozoic	7: 1470-1489	Saskatchewan, metal ores	4: 689-704	British Columbia, structura geology	3: 631-643
North Slope	7. 14/0-1409	Yukon Territory, stratigra-	9: 1870-1880	0 00	8: 1650-1659
Vertebrata	5: 1007-1013	phy Crown	9: 10/0-1000	China, petrology	9: 1030-1039
Northwest Territories	3: 1007-1013	Oak Hill Group	6. 1254 1261	Newfoundland	2. 424 449
	12: 2448-2452	Cambrian	6: 1254-1261	geochemistry	3: 434-448
Arctic Archipelago	12: 2446-2432	obliquity of the ecliptic	0 201 411	gold ores	7: 1532-1546
Eocene	0. 1014 1022	Atlantic Ocean, stratigraphy		Ordos Basin	10 11 0100 0100
Arctic Archipelago	9: 1914-1923	Indian Ocean, stratigraphy	2: 391-411		10-11: 2128-2138
Axel Heiberg Island	9: 1914-1923	ocean crust see oceanic crust	-11 10F		1: 2139-2152; 10-
gold ores, Lupin Mine	8: 1566-1581	Ocean Drilling Program see			153-2162; 10-11:
Invertebrata	0 1/04 1/40	stratigraphy	2: 391-411		1163-2173; 10-11:
Arctic Archipelago	8: 1634-1643	ocean floors see bathymetric r		4	2174-2176; 10-11:
Cornwallis Island	8: 1634-1643	ocean ridges see mid-ocean rid		Onderson Islan	2177-2179
Jurassic	0 201 220	ocean-floor spreading see sea-	floor spreading	Ordosemys leios	10 11 0100 0100
Arctic Archipelago	2: 301-320	oceanic crust	2 261 255		10-11: 2128-2138
Sverdrup Basin	2: 301-320	Newfoundland	2: 261-277	Ordovician	9: 1773-1781
lead-zinc deposits, Pine	F 4000 1001	oceanography see continental		Beekmantown Group, natu	
Point mining district	5: 1028-1036	nental shelf; ocean floors;	reefs; sedimen-	ral gas	9: 1881-1885
permafrost	3: 509-518	tation; sediments		Meguma Group, geochem	
petrology	4 0/5 000	octahedral iron ore see magne	tite	try	3: 449-464
Arctic Archipelago	4: 867-880	Odobenus rosmarus	0 1815 1810	Morocco	7: 1332-1337
Ellesmere Island	4: 867-880	Quaternary	8: 1715-1719	New York	8: 1618-1633
Quaternary		ODP see Ocean Drilling Progr		Newfoundland	9: 1759-1772
Arctic Archipelago	5: 928-944	ODP Site 645	12: 2448-2452	Yukon Territory	9: 1870-1880
	54-974; 8: 1708-	ODP Site 646		ore exploration see mineral	exploration
	14; 8: 1749-1758	Quaternary	7: 1385-1389	ore guides	
Ellesmere Island	8: 1708-1714	Ohio		Saskatchewan, uranium or	
Mackenzie District North		Quaternary		ore of sedimentation see pla	cers
west Territories 4: 8	51-866; 8: 1720-	Ashtabula County Ohio	6: 1236-1241	ore-forming fluids	
m.,	1729	Cuyahoga County Ohio	6: 1236-1241	France, zinc ores	1: 113-123
Tuktoyaktuk Peninsula	1: 103-108	Erie County Ohio	6: 1236-1241	Newfoundland, gold ores	7: 1532-1546
sedimentary rocks	8: 1660-1667	Lake County Ohio	6: 1236-1241	Saskatchewan, uranium or	
stratigraphy		Lorain County Ohio	6: 1236-1241	ores, polymetallic see polym	
Arctic Archi-		Ottawa County Ohio	6: 1236-1241	organic materials see also	
pelago 3: 49	1-498; 12: 2465-	oil and gas see petroleum		Canada, Quaternary	8: 1676-1696
	2474	oil sands		methane, Quebec	9: 1881-1885
Cornwallis Island	3: 491-498	Alberta	1: 94-102	Ontario, Quaternary	12: 2436-2447
Devon Island	3: 491-498	Okanogan County Washingt		organic mound see bioherms	
Ellesmere Island	12: 2465-2474	structural geology	7: 1306-1323	organic residues see coal; oi	
structural geology, Arctic A		Oldman Formation	1: 174-200	Ornithischia see also Cerat	opsia;
chipelago	3:603-620	olivine gabbro		Hadrosauridae	
Notre Dame Bay		Ontario, stratigraphy	9: 1886-1897	China 10-1	1:2163-2173; 10-
structural analysis	7: 1547-1552	Quebec, stratigraphy	9: 1886-1897		11: 2174-2176
Nova Scotia see also Horton	Group;	Omineca Belt		palynomorphs	10-11:2101-2106
Meguma Group		geochemistry	5: 1076-1090	Far East	10-11: 2096-2100
geochemistry	12: 2295-2304	Onondaga Limestone	12: 2465-2474	orogenesis see orogeny	
Antigonish County Nova	1	Ontario see also Abitibi Belt;	Central	orogenic belts	
Scotia	12: 2273-2282	Metasedimentary Belt; Det	troit River	Ontario, Proterozoic	12: 2523-2527
Cape Breton Island	6: 1147-1154	Group; Hudson Bay Lowla	inds; Niagara	orogeny see also Acadian Pl	nase; Caledonian
Proterozoic		Escarpment; Superior Prov	rince; Whirl-	Orogeny; Grenvillian Or	
Cape Breton Island	1: 1-10	pool Sandstone		Orogeny; Penokean Orog	geny; Taconic
Cobequid Highlands	3: 474-479	Archean		Orogeny; transpression	
	2-1253; 7: 1374-	Kenora District Ontario	6: 1179-1196	Georgia	7: 1297-1305
Quaternary 6: 124	4-1433, 7. 1374-	Keliola District Olitario	0. 11/2-11/0		1. 1821 1300
	1384	Kirkland Lake Ontario	1: 29-41	Newfoundland, Silurian	8: 1607-1612
Quaternary 6: 124 structural geology, Cape Breton Island		Kirkland Lake Ontario			8: 1607-1612

Ottawa County Ohio		paleogeography see also ba		Pb-208/Pb-206	
Quaternary	6: 1236-1241	level; geosynclines; trans China		Saskatchewan, uranium ores Pb/Pb	4: 754-763
Ottawa Graben	6: 1254-1261		10-11: 2180-2195 10-11: 2196-2213	British Columbia, metal ores	1: 48-59
Cambrian Otter Creek Complex	0: 1234-1201	Montana, geochronology	5: 1066-1075	Canada, geochronology	8: 1582-1593
Precambrian	6: 1275-1285		4-646; 4: 776-786	Labrador	0. 1302-1373
Outer Mongolia see Mongolia		Nova Scotia, Proterozoic	3: 474-479	Proterozoic	12: 2315-2327
oxides see baddeleyite; hem		Ouebec	6: 1254-1261	uranium ores	12: 2352-2365
pitchblende; rutile; uranin		paleolatitude	5: 1037-1048	Newfoundland	12. 2002 2000
oxygen	110		4-646; 4: 776-786	Proterozoic	12: 2315-2327
O-18		paleolimnology see glacial la		uranium ores	12: 2352-2365
Arctic region	4: 806-813	paleomagnetism see also de		Ontario, metal ores	12: 2366-2379
Spitsbergen	4: 806-813	nent magnetization; mag		Saskatchewan, uranium	
O-18/O-16	11 000 010	magnetic declination; ma			730; 4: 731-742
Atlantic Ocean	7: 1385-1389	tion; magnetic intensity;		Pearva Terrane	
geochemistry	1: 109-112	netostratigraphy; natural		petrology	4: 867-880
Quebec	9: 1934-1954	magnetization; polar war	dering; pole po-	peat	
Saskatchewan	4: 689-704	sitions; remanent magnet	tization; the-	Alaska, Quaternary	1: 103-108
Yukon Territory	9: 1870-1880	rmoremanent magnetizat	ion; viscous	British Columbia, Quater-	
Saskatchewan, metal ores	4: 743-753	remanent magnetization		nary	4: 832-840
P-waves		Atlantic Ocean	2: 391-411	Northwest Territories	
British Columbia, structural		Indian Ocean	2: 391-411	Eocene	9: 1914-1923
geology	12: 2389-2403	paleontology see ichnofo	ossils; Reptilia;		108; 5: 954-974
Pacific Ocean see also West		Trilobita		Pedro Dome	
geophysical surveys, Queen		paleosalinity		gold ores	4: 764-768
Charlotte Basin 7: 142	7-1439; 7: 1440-	Quebec, Quaternary	7: 1390-1403	pegmatite	
	1452	Paleosols		Ontario, geochronology	6: 1155-1165
petroleum, Queen Charlotte		British Columbia, Quater-	4 000 040	pelagic sedimentation	
Basin	5: 918-927	nary	4: 832-840	Atlantic Ocean, stratigraphy	2: 391-411
tectonophysics	0.000.000	Northwest Territories, Qua		Indian Ocean, stratigraphy	2: 391-411
Juan de Fuca Ridge	2: 278-300	ternary	4: 851-866	pelite see shale	0 1000 1010
Queen Charlotte Basin	4: 787-805	Ontario, geochemistry	1: 60-76	Pennsylvanian	9: 1898-1913
Pacific Plate		Paleozoic see also Cambria	,	Penokean Orogeny	5 012 017
British Columbia, tec-	4 505 005	Devonian; Ordovician; P		Minnesota	5: 913-917
tonophysics	4: 787-805	British Columbia	3: 631-643	Ontario	12: 2523-2527
paleo-oceanography	2 510 524	Caledonian Orogeny, Mo-		peridotites	0 1650 1650
Alaska, Quaternary	3: 519-534	rocco	7: 1332-1337	China	8: 1650-1659
Quebec, Quaternary	7: 1390-1403	Horton Group	5: 1091-1098	periglacial features see ice wee	
paleobiogeography see bioge		Newfoundland	8: 1594-1606	permafrost see also frost action	on; ice weages
paleobotany see palynomorp		Northwest Territories	4: 867-880	Northwest Territories, Qua-	8: 1708-1714
Paleocene see also Laramide Paskapoo Formation	orogeny,	Taconic Orogeny, New- foundland	9: 1759-1772	ternary Permian	9: 1898-1913
British Columbia	12: 2305-2314	Palliser Formation	12: 2404-2422	Newfoundland	4: 776-786
K-T boundary, Montana	9: 1981-1996	palynomorphs see also pol		petrofabrics	4. //0-/60
Puercan, Montana	9: 1981-1996	dinoflagellates	ICII	Saskatchewan, structural ge-	
Tullock Member	9: 1981-1996	Alaska	1: 103-108	ology	7: 1338-1354
Washington	7: 1306-1323		391-411; 7: 1385-	petrogeometry see structural a	
paleoclimatology see also C		Adallic Occali 2.	1389	petroleum see also natural ga	
ation; O-18/O-16	15/0 12, 81001	Indian Ocean	2: 391-411	exploration; structural trap	
	10-11: 2196-2213	Northwest Territories	1: 103-108	Canada, tectonophysics	9: 1782-1798
New Brunswick, Quaterna		miospores	1.105 100	Morocco	5: 1049-1055
Northwest Territories, Qua		New Brunswick	6: 1242-1253	petroleum exploration see al	
temary	5: 954-974	Northwest Territories	4: 851-866	traps	50 512 40 141
Nova Scotia, Quaternary	6: 1242-1253	Nova Scotia	5: 1091-1098	Canada	2: 321-332
Ontario, geochemistry	1: 60-76		42-1253; 7: 1374-	petrology see fluid inclusion	
paleoecology see also bioged		0.12	1384	lava; magmas; metamorph	
changes of level; reefs	6: 1205-1208	Ontario	12: 2436-2447	morphism; metasomatism	
Alberta, oil sands	1:94-102	Pangaea		ria; volcanism	. 1
Canada	12: 2404-2422	China, Mesozoic	10-11: 2002-2012	petromorphology see structura	al analysis
China 10-11	1:2101-2106; 10-	paragenesis		petrostratigraphy see lithostra	
	11: 2180-2195	Saskatchewan, uranium or	res 4: 720-730	Phacelostylophyllum	
Montana	5:997-1006	Paskapoo Formation		stratigraphy	4: 819-831
New Brunswick, Quaterna		Vertebrata	4: 814-818	phase equilibria see magmas	
Northwest Territories	9: 1914-1923	Pb see lead		phase transitions	5: 881-892
Quaternary	5: 954-974	Pb-206/Pb-207 see Pb-207/	Pb-206	phonolites	
Nova Scotia, Quaternary	6: 1242-1253	Pb-207/Pb-204		Alberta	8: 1644-1649
United States	12: 2404-2422	Alaska, geochemistry	5: 975-984	phosphates see apatite; monaz	
Yukon Territory	9: 1870-1880	Pb-207/Pb-206		phyllosilicates see sheet silica	
Paleogene see Eocene; Paleo	ocene	Saskatchewan, uranium o	res 4: 754-763	phytogeography see biogeogra	aphy

Piedmont		Sangamonian		Washington, structural ge	ol-
structural geology	7: 1297-1305	New Brunswick	6: 1242-1253	ogy	7: 1306-1323
Pine Point District see Pine Po	oint mining dis-	Nova Scotia	6: 1242-1253	Pondera County Montana	
trict		Wisconsinan	4: 841-850	geochronology	5: 1066-1075
Pine Point Formation		Canada	8: 1676-1696	Vertebrata	5:997-1006
lead-zinc deposits	5: 1028-1036	Pliocene		Pontiac County Quebec	
Pine Point mining district		Alaska	3: 519-534	geochemistry	6: 1110-1122
lead-zinc deposits	5: 1028-1036	plutonic rocks see also diaba		Pontiac Group	
Pingfengshan China		gabbros; granites; lamproj		geochemistry	7: 1521-1531
	-11:2013-2026	enites; ultramafics	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Pontiac Subprovince	7. 1521-1551
Pinnacle Formation	1112010 2020	British Columbia, faults	5: 1014-1027	Archean	9: 1970-1980
Cambrian	6: 1254-1261	plutons	3. 101+102/	geochemistry	6: 1110-1122
Pinnipedia	0. 1237-1201	Alaska, gold ores	4: 764-768	Port au Port Peninsula	0.1110-1122
Quebec, Quaternary	8: 1715-1719	British Columbia, geochro-	4. 704-700	orogeny	9: 1759-1772
Pipestone Pond Complex	0. 1/15-1/19	nology	12: 2305-2314	stratigraphy	4: 776-786
geochemistry	3: 434-448	Canadian Shield, Archean	1: 42-47	Port Bruce Stade	4. //0-/00
Pistol Lake Deposit	J. TJT-110	Labrador	12: 2423-2435	Quaternary	6: 1236-1241
gold ores	8: 1566-1581		6: 1141-1146		
	6: 1300-1301	geochemistry		Portage Lake Lava Series	
pitchblende see uranium ores		Proterozoic	12: 2315-2327	petrology	7: 1404-1414
placers	2.552.574	Minnesota, geochemistry	12: 2510-2522	positions, pole see pole pos	luons
Quebec, Quaternary	3: 553-574	Newfoundland	12: 2423-2435	Postglacial see Holocene	
plagioclase	6. 1166 1170	Devonian	12: 2328-2333	potash mica see muscovite	
Labrador, Proterozoic	6: 1166-1178	geochemistry	6: 1141-1146	potassium-argon see K/Ar	
Montana, geochronology	5: 1066-1075	Proterozoic	12: 2315-2327	Precambrian see also Arc	hean; upper Pre-
Newfoundland, Proterozoic	6: 1166-1178	Nova Scotia		cambrian	
Saskatchewan, geochronol-		geochemistry	3: 449-464	Flinton Group	3: 465-473
ogy	4: 769-775	Proterozoic	1: 1-10	Grenvillian Orogeny	
plagioclasite see anorthosite			1; 6: 1179-1196	Canada	1: 159-173
plagiogranite		Quebec	1: 124-131	Labrador 7: 14:	58-1469; 12: 2315-
Newfoundland, geochemis-			: 11-28; 1: 29-41		2327
try	3: 434-448	gold ores	9: 1924-1933	Newfoundland 7: 14:	58-1469; 12: 2315-
planar bedding structures see	cross-bedding;	stratigraphy	5: 1037-1048		2327
cross-stratification; lamin	ations; rhythm-	Washington, structural geol	-	Ontario	6: 1155-1165
ite		ogy	7: 1306-1323	Quebec 5: 10	056-1065; 7: 1453-
plants		podiform deposits			1457
Northwest Territories,		China, petrology	8: 1650-1659	Hudsonian Orogeny, Sas-	
Eocene	9: 1914-1923	Poland			731-742; 7: 1338-
Ontario, Quaternary	12: 2436-2447	sedimentation, Swiety Krzy	7.		1354
plaster stone see gypsum	1212100 2111	Mountains	9: 1799-1814	Iowa	6: 1275-1285
plate collision		polar wandering		Kenoran Orogeny	01 12/0 12/0
British Columbia, structural		Ontario, stratigraphy	9: 1886-1897	Ontario	6: 1123-1140
geology	12: 2389-2403	Quebec, stratigraphy	9: 1886-1897		1-28; 6: 1110-1122
	8: 1650-1659	stratigraphy	9: 1898-1913	Newfoundland	12: 2495-2509
China, petrology			7: 1415-1426	Nipissing Diabase, geoch	
Labrador, Proterozoic	7: 1470-1489	Arizona, stratigraphy			
Newfoundland, Proterozoic		Michigan, petrology	7: 1404-1414	istry Nava Saatia	6: 1123-1140
Ontario, geochronology	6: 1155-1165	Newfoundland, stratigra-	(16 1 556 506	Nova Scotia	12: 2495-2509
Quebec, geochemistry	12: 2283-2294		-646; 4: 776-786	Ontario	9: 1955-1969
plate rotation		Northwest Territories, lead-		Penokean Orogeny	
stratigraphy	5: 1037-1048	zinc deposits	5: 1028-1036	Minnesota	5: 913-917
plate tectonics see also back-		Ontario, Proterozoic	6: 1286-1296	Ontario	12: 2523-2527
tinental crust; continental		Quebec, Proterozoic	6: 1286-1296	Purcell System, petrology	
tal margin; Farallon Plate;	geosynclines;	pole shifting see polar wande	ring	Quebec	12: 2334-2351
hot spots; island arcs; met	amorphic core	pollen		Precambrian Shield see Ca	nadian Shield
complexes; North Americ	an Plate; ophio-	Atlantic Ocean, Quaternary	7: 1385-1389	preferred orientation	
lite complexes; Pacific Pla	ate; plate colli-	China, palynomorphs 1	0-11:2101-2106	structural analysis	7: 1355-1362
sion; sea-floor spreading;	spreading	New Brunswick, Quaternar	y 6: 1242-1253	pressure wave see P-waves	
centers; subduction; terrar		Northwest Territories, Qua-		Pridolian	
faults; transpression	,	ternary	4: 851-866	Newfoundland	4:776-786
Northwest Territories,		Nova Scotia, Quater-		primary wave see P-waves	
Jurassic	2:301-320		2-1253; 7: 1374-	Prince Albert Saskatchev	
platinum group see iridium		,	1384	Quaternary	6: 1224-1235
Pleistocene		Ontario, Quaternary	12: 2436-2447	Pristiograptus	0 1 1233
	19-534; 5: 1007-	pollution	12.2730-2747	stratigraphy	3: 491-498
Alaska 3: 3			6: 1099-1109	Proboscidea see Mastodon	
Chamalaia San Omi	1013	Manitoba, hydrology	0: 1099-1109	Proposcidea see Mastodon Proetidae	ioidea
Champlain Sea, Quaternary		polymetallic ores	0. 1024 1074		9, 1624 1642
Lake Maumee, Ontario	12: 2436-2447	Quebec	9: 1934-1954	Northwest Territories	8: 1634-1643
New York	9: 1829-1845	polymetamorphism	/ 1007 1007	prograde metamorphism	
Ouebec 8: 173	0-1740; 9: 1881-	Iowa, Precambrian	6: 1275-1285	Northwest Territories	4: 867-880
A	1885	Ontario	5: 985-996	gold ores	8: 1566-1581

Proterozoic		7: 1490-1504 8: 1582-1593	Quartz veins			rare earths see also cerium British Columbia, geochro-	
Aphebian, Canada		8: 1582-1593 7: 1415-1426	Ontario	10	. 2266 2270	nology	12: 2305-2314
Arizona		7: 1415-1420	metal ores		: 2366-2379	Labrador, uranium ores	12: 2352-2365
Athabasca Formatio	n, ura-	4 (50 (70	non-metal deposits	9	: 1955-1969	Newfoundland, uranium	12. 2332-2303
nium ores		4: 653-673	Quebec, gold ores	004 100	3: 413-419	A P C C C C C C C C C C C C C C C C C C	12: 2352-2365
Helikian, Saskatche	wan	4: 653-673	9: 1	924-193	3; 12: 2334-	ores	
Huronian		1 (0.5)			2351	Nova Scotia, geochemistry	
Ontario		1:60-76	Saskatchewan, structura	al ge-		Ontario, geochemistry 1: 1	
	6: 1209-1	223; 12: 2475-	ology	7	: 1338-1354	0.1	1140
		2480	quartzites			Quebec	<
Wyoming		12: 2475-2480	Canadian Shield, geoch	ronol-		geochemistry	6: 1110-1122
Labrador		6: 1141-1146	ogy		3:465-473		5-1520; 7: 1521-
	6: 1166-	1178; 7: 1458-	Ontario, Proterozoic	12	: 2523-2527		1; 12: 2283-2294
	1469;	7: 1470-1489;	Quaternary see also Hol			metal ores	9: 1934-1954
	12: 2	2315-2327; 12:	Alaska	iocciic, i	5: 975-984	rate of sedimentation see sed	imentation rates
	2352-2	365; 12: 2423-	Atlantic Ocean	-	: 1385-1389	Rb/Sr	
		2435			: 1815-1828	Canada, geochronology	8: 1582-1593
Minnesota		5:913-917	British Columbia	9		Labrador, geochemistry	6: 1141-1146
Newfoundland		6: 1141-1146	Canada		2: 354-371	Newfoundland, geochemis	
	6: 1166-	1178; 7: 1458-	New Brunswick		1: 201	try	6: 1141-1146
	1469;	7: 1470-1489;	New Zealand	9	1861-1869	Saskatchewan	
		2315-2327; 12:	Quebec		1: 201	geochronology	4: 769-775
		365; 12: 2423-		3: 553-5	74; 7: 1390-	uranium ores	4:731-742
		2435			1403	Recent see Holocene	
Nova Scotia		1:1-10	Saskatchewan		3: 420-433	recumbent folds	
	3:474-	479: 12: 2273-	Washington		9: 1815-1828	New Brunswick	7: 1324-1331
		2282	Quebec see also Abitibi			red beds	
Ontario		6: 1123-1140	Group; Champlain Se				10-11: 2196-2213
Olimaro	6: 1286-	1296; 9: 1886-	ince; Labrador Troug				10-11: 2180-2195
		12: 2523-2527	tion; Saint Lawrence			Newfoundland, stratigraph	
Portage Lake Lava		121 2020 2021	Province; Ungava	201114	o, o aparto.	Red Deer Hill	, 0,0,, 0,0
petrology	DOLLOUS	7: 1404-1414	Archean			Quaternary	6: 1224-1235
Quebec		6: 1286-1296			1: 11-28	Red Lake	0.1227-1255
Quebec	7-1453	1457; 7: 1505-	Chibougamau Queb	ec	1: 11-28	metal ores	12: 2366-2379
); 9: 1886-1897	Matagami			redbeds see red beds	12. 2300-2379
Saskatchewan	1320	4: 674-688	Noranda Quebec		1: 29-41	reefs see also bioherms	
Saskatchewan	4.690 7	04; 4: 705-719;	geochemistry			Ontario	
	4: 009-7		Gaspe Peninsula		2: 2283-2294		3: 575-590
37 1		4: 720-730	Pontiac County Que	ebec	6: 1110-1122	Silurian	
Venezuela		12: 2380-2388	gold ores			structural geology	8: 1668-1673
Wollaston Group, u	iranium	1 (50 (50	Sigma Mine		3:413-419	regional metamorphism	# 00F 00¢
ores		4: 653-673	Val d'Or Quebec		3:413-419	Ontario	5: 985-996
Protista			9:	1924-19	33; 12: 2334-	regolith	
Thecamoeba, Queb		8: 1715-1719			2351	Ontario, geochemistry	1: 60-76
Proto-Atlantic Ocean	see lapel	us	metal ores, Noranda Q)uebec	9: 1934-1954	remanent magnetization s	
Protoceratops			Quaternary		1: 201	tional remanent magneti	
Vertebrata		-11: 2248-2254	Gaspe Peninsula		7: 1390-1403	mal remanent magnetiza	
psammite see sandsto					707; 9: 1853-	remanent magnetization	
pseudogalena see sph	alerite		0	. 10// 1	1860	magnetization; viscous	emanent magne-
Psittacosaurus			Sept-Iles Quebec		3: 553-574	tization	
palynomorphs	10	-11:2101-2106			3. 333-314	Great Lakes, Quaternary	8: 1741-1748
Vertebrata	10	-11:2096-2100	structural geology	2 501	(00 7 10(0	remote sensing	
Ptychopariida see Pro	oetidae		Gaspe Peninsula	3: 391-	602; 7: 1363-	Northwest Territories, Qu	a-
Puercan					1373	ternary	8: 1720-1729
Montana		9: 1981-1996	Matapedia County	Que-	2 501 602	Ontario, structural geolog	y 8: 1668-1673
Purcell System			bec		3: 591-602	Reptilia see also dinosaurs	
petrology		8: 1644-1649	Queen Charlotte Basin			Ceratopsidae, China	10-11: 2248-2254
push-pull wave see F	-waves		geophysical surveys	7:	1427-1439; 7:	Chelonia	
pyroclastics see tuff					1440-1452	China	10-11: 2013-2026
pyrolysis see Rock-E	Eval		petroleum		5: 918-927		1: 2128-2138; 10-
pyroxene group see		rene	tectonophysics		4: 787-805		2139-2152; 10-11:
Qigu Formation	шорую	CONO	radioactive isotopes se	ee C-14	; Pb-207/Pb-	11.	2214-2223
Vertebrata	10	-11:2013-2026	204; Sm-147/Nd-14	4; U-238	/U-234	Uzbekistan	10-11: 2214-2223
	10	-11.2013-2020	radioactivity				
quartz		10.0402.0425	Quebec, Quaternary		8: 1730-1740	Eosuchia, China	10-11: 2153-2162
Labrador, petrolog		12: 2423-2435		C-14	0.1/30-1/40	Hadrosauridae, Montana	5: 997-1006
Newfoundland, pe	trology	12: 2423-2435	radiocarbon dating see (C-14		Ichthyosauria	0 100 100
structural analysis		7: 1355-1362	radiolarians		0 4000	British Columbia	3: 486-490
quartz monzonite			stratigraphy		9: 1898-1913	England	6: 1197-1204
British Columbia,	geochro-		Rainy Ridge Sill			Ornithischia	
nology	-	12: 2305-2314	petrology		8: 1644-1649	China	10-11:2101-2106

	10-11: 2163-2173; 10-	Saint Flavien Quebec	0. 1001 1005	sedimentary petrology see c	
E E	11: 2174-2176	natural gas	9: 1881-1885	diagenesis; heavy miner	
Far East	10-11: 2096-2100	Saint Lawrence Granite		mentation; sediments; wea	
Sauropoda, China	10-11: 2082-2095	Devonian	12: 2328-2333	sedimentary rocks see also	
Theropoda		Saint Lawrence Lowlands		Alberta	8: 1660-1667
Alberta	10-11: 2231-2247; 10-	natural gas	9: 1881-1885	bentonite	/ 109F 0 1001
cu. t	11: 2255-2272	Quaternary 8: 171	5-1719; 8: 1730-	Montana 5: 106	6-1075; 9: 1981-
China	10-11: 2027-2036		1740	0 1 . 1	1996
	10-11: 2037-2081; 10-	Saint Louis County Minnes		Saskatchewan	4: 769-775
	11: 2107-2127; 10-11:	geochemistry	12: 2510-2522	black shale	10 0404 0400
0 1 7 1	2224-2230	Saint-Salvy France		Canada	12: 2404-2422
South Dakota	10-11: 2255-2272	zinc ores	1: 113-123	United States	12: 2404-2422
Uzbekistan	10-11: 2255-2272	Sainte-Julienne-de-Montca	lm Quebec	bone beds, Montana	5: 997-1006
retrograde metamorp		Quaternary	8: 1715-1719	boundstone, Ontario	3: 575-590
Northwest Territories		Salmon Glacier		breccia	2 (21 (42
ores	8: 1566-1581	hydrology	3:499-508	British Columbia	3: 631-643
Quebec, geochemistr		salt marshes		Quebec	1: 124-131
Saskatchewan, uraniu		Nova Scotia, Quaternary	7: 1374-1384	British Columbia, petroleur	
	4: 674-688; 4: 720-730	samarium		carbonate rocks, Poland	9: 1799-1814
Retty Lake		Sm-147/Nd-144, Newfoun	d-	chert, stratigraphy	9: 1898-1913
geochronology	8: 1582-1593	land	3: 434-448	China	8: 1660-1667
reverse faults		sandstone		clastic rocks	1 174 000
Newfoundland	9: 1759-1772	Ontario, geomorphology	5:945-953	Canada	1: 174-200
Quebec	7: 1363-1373	Sangamonian			0-11:2101-2106
reverse slip faults see t	hrust faults	New Brunswick	6: 1242-1253	United States	1: 174-200
rhyacolite see sanidine		Nova Scotia	6: 1242-1253	dolostone	£ 1000 1000
rhyolites		sanidine	0. 12 12 1233	Northwest Territories	5: 1028-1036
Quebec, metal ores	9: 1934-1954	Alberta, petrology	8: 1644-1649	Quebec	9: 1881-1885
rhythmite		Montana, paleomagnetism		iron formations, Northwest	
British Columbia, Qu	nater-	Saskatchewan, geochronol		Territories	8: 1566-1581 5: 997-1006
nary	9: 1815-1828		4: 769-775	mudstone, Montana	
Washington, Quaterr	9: 1815-1828	ogy saprolite	4. 709-773	Northwest Territories	8: 1660-1667
right-lateral faults		Mali, gold ores	8: 1553-1565	Nova Scotia, stratigraphy red beds	5: 1091-1098
British Columbia	6: 1262-1274	Saskatchewan see also Bell			1: 2180-2195; 10-
Newfoundland 7	: 1547-1552; 12: 2481-	tion; Williston Basin	y Kiver Forma-	Cillia 10-1	11: 2196-2213
	2494	geochronology	4: 769-775	Newfoundland	3: 644-646
Quebec	3: 591-602; 7: 1363-	0		sandstone, Ontario	5: 945-953
	1373	metal ores, Athabasca Dis-		saprolite, Mali	8: 1553-1565
Saskatchewan	7: 1338-1354		9-704; 4: 743-753	shale, Ontario	12: 2453-2464
ring silicates see cordi	erite; tourmaline	Quaternary	6: 1224-1235	sylvinite, New Brunswick	
ripple marks		soil mechanics	3: 420-433	Yukon Territory, stratigra-	
Ontario	12: 2453-2464	structural geology	7: 1338-1354	phy	9: 1870-1880
Rock-Eval		uranium ores, Athabasca I		sedimentary structures	7. 1070-1000
Saskatchewan, metal	l ores 4: 743-753	trict	4: 651-763	bioherms, British Columbi	a 4: 819-83
rock-stratigraphy see l	ithostratigraphy		3-673; 4: 674-688;	bioturbation, Ontario	12: 2453-2464
Rocky Mountains			5-719; 4: 720-730;	cross-bedding, Ontario	12: 2453-2464
stratigraphy, Canadia	an		1-742; 4: 754-763	cross-stratification,	12. 2433-240-
Rocky Mountains	12: 2404-2422	saturation magnetization			10-11:2196-2213
Roraima Formation		Venezuela, stratigraphy	12: 2380-2388		10-11: 2196-2213
stratigraphy	12: 2380-2388	Saurischia see Theropoda		flute casts, Northwest Ten	
Rorringtoniidae		Sauropoda		tories	5: 928-94
Invertebrata	8: 1634-1643		10-11: 2082-2095	laminations	0172071
Rosholt method		Saurornithoides mongolie		British Columbia	9: 1815-182
Quaternary	8: 1730-1740	Vertebrata	10-11: 2224-2230	Washington	9: 1815-182
Ross Lake fault zone		Scatarie Ridge		rhythmite	21.1010.101
structural geology	7: 1306-1323	structural geology	12: 2495-2509	British Columbia	9: 1815-182
rubblerock see breccia		schists		Washington	9: 1815-182
rubidium-strontium se	e Rb/Sr	Washington, structural ge-	ol-	ripple marks, Ontario	12: 2453-2464
Rugosa		ogy	7: 1306-1323	sedimentation see also basi	
British Columbia, st	ratigra-	schuppen texture see imbric	ate tectonics	changes of level; channe	
	4: 819-831	sea floors see ocean floors		shelf; diagenesis; dolom	
phy		sea-floor spreading see	continental drift;	land basins; marine trans	
phy Ruminantia see Bovid	ac			marshes; sediment trans	
	ac	magnetic anomalies; r	ine occur meters		
Ruminantia see Bovid rutile			na ocoan magos,	rocks: sediments	
Ruminantia see Bovid rutile Quebec, geochronol		spreading centers		rocks; sediments	1: 94-10
Ruminantia see Bovid rutile Quebec, geochronol S-34/S-32	ogy 5: 1056-1065	spreading centers sea-level changes see chang	es of level	rocks; sediments Alberta, oil sands	1: 94-102 1: 174-200
Ruminantia see Bovid rutile Quebec, geochronol S-34/S-32 Ontario, non-metal of	ogy 5: 1056-1065	spreading centers sea-level changes see chang sediment transport see als	es of level	rocks; sediments	1: 174-200

China	10-11: 2196-2213	Canada		silicates see chain silicates	,
detrital sedimentatio	n, On-	Quaternary	2:354-371	cates; orthosilicates; rin	ig silicates; sheet
tario	12: 2523-2527	tectonics	3:621-630	silicates	
faults	9: 1773-1781	Newfoundland, structural ge	e-	siliciclastics	
glacial sedimentation	1	ology	12: 2495-2509	Poland, sedimentation	9: 1799-1814
Canada	2: 333-353	Nova Scotia, structural geol	-	sills	
Ohio	6: 1236-1241	ogy	12: 2495-2509	Alberta	8: 1644-1649
Quaternary	4: 841-850	seismic stratigraphy		Canada, geochronology	8: 1582-1593
Quebec	8: 1697-1707	Canada, tectonics	3: 621-630	Newfoundland, Silurian	8: 1607-1612
glaciofluvial sedime		seismic surveys see also crus	st: Lithoprobe:	Ontario, geochemistry	6: 1123-1140
Northwest Territor		seismic profiles; vertical s		silt	
glaciolacustrine sedi		Pacific Ocean, tectonophys-		Northwest Territories	12: 2448-2452
tion, Ontario	12: 2436-2447	ics	2: 278-300	Silurian see also Taconic O	rogeny
		Quebec, Quaternary	7: 1390-1403		9: 1773-1781
glaciomarine sedime		seismicity	7. 1390-1403	Ludlovian, Northwest Ten	ri-
Canada	2: 354-371	New Brunswick, Quaternar	v 1: 201		491-498; 8: 1634-
Quebec	3: 553-574				1643
lacustrine sedimenta		Quebec, Quaternary	1: 201	Newfoundland	3:644-646
China	10-11: 2180-2195	seismology see crust; earth			32-1546; 7: 1547-
pelagic sedimentațio		Mohorovicic discontinuity	,		52; 8: 1607-1612;
Atlantic Ocean	2: 391-411	seismostratigraphy see seismi	ic stratigraphy	10	12: 2481-2494
Indian Ocean	2: 391-411	Selwyn Basin		Ontario	3: 575-590
Poland	9: 1799-1814	stratigraphy	9: 1870-1880		8-1673; 12: 2453-
United States, stratig	graphy 1: 174-200	Senonian see Campanian; Ma		8. 100	2464
sedimentation rates		sensing, remote see remote se	ensing	Deideline Mausferredland	4: 776-786
Atlantic Ocean, strat	igraphy 2: 391-411	Sept-Iles Quebec		Pridolian, Newfoundland	
Canada, Quaternary	2: 354-371	Quaternary	3: 553-574	Quebec	12: 2283-2294
Indian Ocean, stratig		sequence stratigraphy		Wenlockian, Northwest To	
	agenesis; lithostratigra-	Northwest Territories,		ritories	3: 491-498
phy; peat	genesis, minositangia	Jurassic	2: 301-320	Whirlpool Sandstone, geo	
clay		Seven Isles see Sept-Iles Que		morphology	5: 945-953
British Columbia	9: 1815-1828	Seward Subgroup		Yukon Territory	9: 1870-1880
Northwest Ter-	9: 1013-1020	geochronology	8: 1582-1593	silver ores	
	0. 1700 1714. 12. 2440	Seymour River valley	0. 1502 1575	Quebec	9: 1934-1954
Hones	8: 1708-1714; 12: 2448-	Quaternary	4: 841-850	Sinemurian	
C - 1 - 1	2452	Shabogamo Intrusive Suite		British Columbia	4: 819-831
Saskatchewan	3: 420-433	metamorphism	1: 159-173	England	6: 1197-1204
Washington	9: 1815-1828	shale	1. 137-173	Sinemys	
diamicton	0 1017 1000		12: 2453-2464	Vertebrata	10-11: 2139-2152
British Columbia		Ontario	12: 2433-2404	Sinkiang Weiwu'er Zizh	iqu see Xinjiang
Washington	9: 1815-1828	Shandong China	0 11.0120 0150	China	
Great Lakes, Quater	nary 8: 1741-1748		10-11: 2139-2152	Sino-Canadian Dinosaur l	Project
marine sediments		Shannon Lake Granite	10 0510 0500	Reptilia	10-11: 1997-2272
Alaska	1: 103-108; 3: 519-534	geochemistry	12: 2510-2522	Sinornithoides youngi	
Canada	9: 1782-1798	Shantung China see Shandon		Vertebrata	10-11: 2163-2173
Northwest Ter-		shear zones see also myloni		Sinraptor dongi	
ritories	1: 103-108; 12: 2448-	faults	9: 1773-1781	Vertebrata	10-11: 2037-2081
	2452	France, zinc ores	1: 113-123	Sioux County Iowa	
Quebec	3: 553-574; 7: 1390-	Newfoundland, tectonics	12: 2481-2494	Precambrian	6: 1275-1285
	1403	Ontario, geochronology	6: 1155-1165	Skagit County Washingto	
Northwest Territorie	es, Qua-	Quebec, gold ores	9: 1924-1933	structural geology	7: 1306-1323
ternary	5: 928-944	sheet silicates see also chlor		Slave Province	7. 1300-1323
Ontario, Quaternary		minerals; hydromuscovit	e: mica group	gold ores	8: 1566-1581
Quebec, natural gas	9: 1881-1885	Saskatchewan, uranium ore		Slide Mountain Terrane	0. 1500-1501
silt, Northwest Terri		shelf, continental see contine		stratigraphy	9: 1898-1913
till	12. 2440-2432	shield volcanoes	intal Shori	0 1 3	
	2, 222 252		2	slope stability see landslide	S
Canada Northwest Ter-	2: 333-353	British Columbia, geochen istry	1: 132-144	Sm-147/Nd-144	
	4.051.077.0.1740		1: 152-144	Newfoundland, geochemi	
ritories	4: 851-866; 8: 1749-	Shishugou Group Vertebrata 10-11	1 0012 0007 10	try	3: 434-448
01:	1758	vertebrata 10-1	1: 2013-2026; 10-	Sm/Nd	4 40 70
Ohio	6: 1236-1241	-1 C - 4	11: 2037-2081	British Columbia, metal o	
Quebec	8: 1730-1740; 9: 1853-	shore features see coastlines;	manne terraces	Canada, geochronology	8: 1582-1593
0.1.	1860			Iowa, Precambrian	6: 1275-1285
Saskatchewan	3: 420-433	Sibley Group		Saskatchewan, uranium o	res 4: 731-742
Sehoul Zone		non-metal deposits	9: 1955-1969	Snowy Pass Supergroup	
structural geology	7: 1332-1337	Sidobre Massif		stratigraphy	12: 2475-2480
seismic networks		zinc ores	1: 113-123	soap clay see bentonite	
earthquakes	2: 372-390	Sigma Mine		soil mechanics see clay; slo	pe stability
seismic profiles see o		gold ores	3:413-419	soils see also weathering	
British Columbia, p	etroleum 5: 918-927	silica minerals see amethyst;	quartz	Arctic region, Quaternary	4: 806-813
*				-	

laterites, Mali	8: 1553-1565	stream gradient	0 1011 1050	survey organizations	
Paleosols	4 000 040	Alberta, Quaternary	9: 1846-1852	Geological Survey of Can-	
British Columbia	4: 832-840	streamflow			3-?08; 2: 203-411
Northwest Territories Ontario	4: 851-866 1: 60-76	Ontario, geomorphology	5: 945-953	Canada	2: 232-242
Quebec, Quaternary	8: 1730-1740	streams see channels		2: 243	3-260; 2: 321-332; 2: 333-353
Spitsbergen, Quaternary	4: 806-813	strike-slip faults see also tran faults; transform faults	scurrent	earthquakes	2: 372-390
South America see also V		British Columbia	3: 631-643	surveys see geophysical sur	
stratigraphy, Guyana Shi		geophysical surveys	7: 1427-1439	suspect terranes see terranes	
South Dakota see Hell Cre		Ontario, non-metal deposits	9: 1955-1969	Sussex New Brunswick	
South Island		Ouebec	3: 591-602	tectonics	7: 1324-1331
Quaternary	9: 1861-1869	stromatoporoids	3.371-002	Svalbard see Spitsbergen	
Spanish Morocco see Mor	occo	Canada, stratigraphy	12: 2465-2474	Sverdrup Basin	
Spetch Creek Pluton		United States, stratigraphy	12: 2465-2474	Jurassic	2:301-320
stratigraphy	5: 1037-1048	strontium		Swiety Krzyz Mountains	
sphalerite		Sr-87/Sr-86		sedimentation	9: 1799-1814
Northwest Territories, le	ad-	Alaska 3: 519-	534; 5: 975-984	Swift Current Plateau	
zinc deposits	5: 1028-1036		2-144; 5: 1076-	Vertebrata	8: 1613-1617
sphene see titanite			1090	syenites	
Spitsbergen		Labrador	6: 1141-1146	Ontario, geochemistry	1: 145-158
Quaternary, Brogger Per		Newfoundland	6: 1141-1146	Sylvester Allochthon	0. 1000 1012
sula	4: 806-813	Nova Scotia	3: 449-464	stratigraphy	9: 1898-1913
Spitsbergen Island see Bro		Saskatchewan	4: 731-742	structural geology sylvinite	3: 631-643
spontaneous fission-track	dating see fission-	Yukon Territory, stratigra-		New Brunswick, tectonics	7: 1324-1331
track dating		phy	9: 1870-1880	symmicton see diamicton	7. 1324-1331
spreading centers tectonophysics	5: 893-907	structural analysis see also		Taconic Orogeny	
spreading-floor hypoth		mation; faults; folds; folia		Newfoundland, orogeny	9: 1759-1772
spreading	2313 366 304-11001	petrofabrics; preferred one	entation; snear	talus fan see alluvial fans	21,1102,1110
Sr see strontium		zones; transpression Newfoundland	7: 1547-1552	tar sands see oil sands	
Sr-87/Sr-86		structural basins see basins	1. 1341-1332	Tarn France see Sidobre Ma	assif
Alaska		structural geology see defor	mation: faulte:	tear faults	
geochemistry	5: 975-984	folds; foliation; geosyno		Northwest Territories	3:603-620
Quaternary	3: 519-534	lineation; orogeny; tectoni		Tebch China	
British Columbia, geoch	em-	structural traps	CS	palynomorphs	10-11:2101-2106
	1: 132-144; 5: 1076-	British Columbia, petroleun	5:918-927	tectites see tektites	
	1090	subduction		tectogenesis see orogeny	
Labrador, geochemistry	6: 1141-1146	British Columbia, metal ore	s 1:48-59	tectonic imbrication see im	
Newfoundland, geochen	nis-	Quebec, geochemistry	6: 1110-1122	tectonic lines see lineament	
try	6: 1141-1146		907; 5: 908-912	tectonics see also basins; c	
Nova Scotia, geochemis		subduction zones		deformation; faults; fold	
Saskatchewan, uranium	ores 4: 731-742	Newfoundland, geochemis-		synclines; lineaments; li	
Sr/Rb see Rb/Sr		try	3:434-448	ophiolite complexes; or eny; plate tectonics; she	
St. Lawrence Lowlands .	see Saint Lawrence	sudoite		tural analysis; terranes;	
Lowlands	# 12. D/U. danta	Saskatchewan, metal ores	4: 689-704	uplifts	at an a property
stable isotopes see C-13 rium; Nd-144/Nd-143		sulfates see gypsum		Alberta	1:77-93
Pb-207/Pb-204; Pb		sulfides see also galena; spha		British Columbia	1:77-93
208/Pb-206; S-34/S-32		British Columbia	1:48-59	Canada, stratigraphy	1: 174-200
Stegosauridae	2, 0111-1-7/140-1-1-1	Manitoba, hydrology	6: 1099-1109	compression tectonics, M	0-
Vertebrata	10-11:2174-2176	Quebec, metal ores	9: 1934-1954	rocco	5: 1049-1055
stratigraphic boundary		sulfur		extension tectonics, Minn	ie-
boundary		S-34/S-32, Ontario	9: 1955-1969	sota	5: 913-917
Northwest Territories, s	tra-	sulphides see sulfides		imbricate tectonics	
tigraphy	3:491-498	Sulphur Mountain Formati		British Columbia	3: 631-643
Saskatchewan, geochron	iol-	Vertebrata	3: 486-490	Ontario	6: 1155-1165
ogy	4: 769-775	Summit Lake	0 400 500	Quebec	3: 591-602
Yukon Territory, stratig	ra-	hydrology	3: 499-508	Iowa, Precambrian	6: 1275-1285
phy	9: 1870-1880	superimposed metamorph	ism see poly-	New Brunswick	7: 1324-1331
stratigraphy see Archean;		metamorphism Superior Province see also A	hitibi Daltı	Newfoundland, Devoniar	12: 2328-2333
iferous; coprolites; Cr		Wawa Belt	voluti beit;	Nova Scotia, geochemis-	140 464 6 1145
Focene: Holocene:	urassic; Mesozoic;	Archean	6: 1179-1196	try 3:	: 449-464; 6: 1147-
		metal ores	12: 2366-2379	Ontario	3: 647-650
Ordovician; Paleocen		micial ofcs	14. 4300-4319	Untano	
Ordovician; Paleocen Paleozoic; palynomor		Precambrian	6-1275-1285	Onahao Arahaan	0.1070 1090
Ordovician; Paleocen Paleozoic; palynomor Permian; Pleistocei	ne; Pliocene; Pre-	Precambrian Proterozoic	6: 1275-1285 6: 1286-1296	Quebec, Archean	9: 1970-1980 1: 174-200
Ordovician; Paleocen Paleozoic; palynomor	ne; Pliocene; Pre-	Precambrian Proterozoic surficial geology	6: 1275-1285 6: 1286-1296	Quebec, Archean United States, stratigraph tectonophysics see contin	y 1: 174-200

discontinuity; paleomagn tonics; sea-floor spreading			10-11: 2163	3-2173; 10- 2174-2176	till see also drumlins; glacial to Canada, Quaternary	ransport 2: 333-35
tectonostratigraphic terranes		Far East		2096-2100	Northwest Territories, Qua-	555 55.
tektites	er icitalics	Sauropoda, China		2082-2095		1-866; 8: 1749
	0.1660 1667		10-11.	2002-2093	ternary 4. 63	175
Alberta, sedimentary rocks	8: 1660-1667	Theropoda	10 11 2021	2247.10	01: 0	
China, sedimentary rocks	8: 1660-1667	Alberta	10-11: 2231		Ohio, Quaternary	6: 1236-124
Northwest Territories, sedi-				2255-2272	Quebec, Quaternary 8: 1730	
mentary rocks	8: 1660-1667	China		2027-2036		186
Felkwa Range			10-11: 2037		Saskatchewan, soil mechan-	
stratigraphy	4: 819-831		11: 2107-21	127; 10-11:	ics	3: 420-43:
emperature logging				2224-2230	Timiskaming District Ontario	see Kirklan
Morocco, petroleum	5: 1049-1055	South Dakota	10-11:	2255-2272	Lake Ontario	
emperature surveys see heat		Uzbekistan		2255-2272	titanite	
	IIOW	tetrapods see birds; mai				8: 1644-164
ephrochronology	2 525 552	Th/U	minimas, repe	1103	Alberta, petrology	1: 42-4
Montana, Quaternary	3: 535-552		0.	1730-1740	Canadian Shield, Archean	1:42-4
Washington, Quaternary	3: 535-552	Quebec, Quaternary	0:	1/30-1/40	Ontario	
erranes see also greenstone	belts	Thailand		0001 0100	Archean	6: 1179-119
British Columbia		Vertebrata		2096-2100	geochronology	6: 1155-116
faults	5: 1014-1027	The Himalaya see Hima	nalayas		Quebec, Archean 1: 11-2	8; 9: 1970-198
structural geology 3:63	1-643: 12: 2389-	Thecamoeba			tonalite gneiss	
grant Boord)	2403	Quebec, Quaternary	8:	1715-1719	Canadian Shield, Archean	1: 42-4
Canada atmotural analogy	2: 209-231	Theria see Eutheria			Torngat Orogeny	1. 12
Canada, structural geology		thermal remanent ma	agnetization	n see the	Proterozoic	7: 1470-148
Canadian Shield, geochrono		rmoremanent magn		a see the		7. 14/0-148
ogy	3: 465-473				tourmaline	10 000 1 001
Labrador, Proterozoic	12: 2315-2327	thermal surveys see hea			Quebec, gold ores	12: 2334-235
Newfoundland		thermoluminescence			Tournaisian	
Proterozoic	12: 2315-2327	British Columbia, Qu	uater-		Canada	12: 2404-242
structural analysis	7: 1547-1552	nary	9:	1815-1828	United States	12: 2404-242
structural geology	12: 2495-2509	Quaternary		4:841-850	trachytes	
Northwest Territories, petro		Quebec, Quaternary	8:	1730-1740	British Columbia, geochem-	
		Washington, Quatern		1815-1828	istry	1: 132-1
ogy	4: 867-880			1013-1020		1. 132-1
Nova Scotia		thermoremanent mag	-	1415 1406	tracks	C 1005 100
geochemistry	12: 2295-2304	Arizona, stratigraphy	,	1415-1426	stratigraphy	6: 1205-120
Proterozoic 1:	1-10; 3: 474-479	Michigan, petrology	7:	1404-1414	Trans-Hudsonian Orogeny	see Hudsonia
structural geology	12: 2495-2509	Theropoda			Orogeny	
Ontario, Proterozoic	12: 2523-2527	Alberta	10-11:223	1-2247; 10-	transcurrent faults	
stratigraphy	9: 1898-1913		11:	2255-2272	Quebec	7: 1363-13
		China		2027-2036	transform faults	
Washington, structural geo		Cillina		7-2081; 10-	British Columbia	6: 1262-12
ogy	7: 1306-1323			127; 10-11:	tectonophysics	4: 787-8
Fertiary see also Neogene; I			11.2107-2	2224-2230		4. /0/-0
British Columbia	1: 132-144	South Dokata	10.11.		transgression	1.04.16
5: 9	18-927; 6: 1262-	South Dakota		2255-2272	Alberta, oil sands	1: 94-10
	1274	Uzbekistan	10-11:	2255-2272	Northwest Territories,	
Festudinoidea		tholeiite			Jurassic	2:301-3:
Vertebrata	0-11: 2013-2026	Ontario, Proterozoic	6:	1286-1296	Ontario	
	: 2128-2138; 10-	Quebec, Proterozoic	6:	1286-1296	sedimentary petrology	12: 2453-246
	139-2152; 10-11:	tholeiitic basalt			Silurian	3: 575-5
11.2	2214-2223	Canada, geochronolo	ogy 8	1582-1593	transpression	_,,,,,
Pothue	to to 1 T to to to .)	Labrador, geochemis	-63	1141-1146	Labrador, Proterozoic	7: 1470-14
Pethys				11-1-1140		12: 2510-25
British Columbia, stratigra-		Newfoundland, geoc		1141 1140	Minnesota, geochemistry	12: 2310-23
phy	4: 819-831	try		1141-1146	Newfoundland	
Feton County Montana		thorium-uranium see T			gold ores	7: 1532-15
geochronology	5: 1066-1075	thrust faults see also	foreland bas	sins; im-	Proterozoic	7: 1470-14
Vertebrata	5:997-1006	bricate tectonics; re	reverse faults		Quebec	
Tetracorallia see Rugosa	2.277 1000	Morocco		1332-1337	geochemistry	12: 2283-22
	in Assess	Newfoundland		: 1547-1552	structural geology	7: 1363-13
Tetrapoda see also Amphib	ia, Aves,		/.			7: 1303-13
Mammalia; Reptilia		Ontario	_	3: 647-650	traps see structural traps	
	10-11: 2248-2254	Quebec, geochronolo	0.0	: 1056-1065	Tree Deposit	
dinosaurs		Saskatchewan, Quate	ternary 6	: 1224-1235	gold ores	8: 1566-15
China	10-11: 1997-2001	thrust sheets			Triassic	
	1: 1997-2272; 10-	Northwest Territorie	es, petrol-		British Columbia	3:486-4
	002-2012; 10-11:	ogy	, , ,	4: 867-880	New Brunswick	7: 1324-13
	180-2195; 10-11:	thrusts and thrusting se	see thrust for		Tribes Hill Formation	
2				1410		0, 1410 14
	2196-2213	Thunder Bay amethy		1055 1060	Trilobita	8: 1618-16
	5: 1066-1075	non-metal deposits		: 1955-1969	Trilobita	
Montana						8: 1618-16
Hadrosauridae, Montana	5: 997-1006	Thunder Bay District			New York	
	5:997-1006	Thunder Bay District non-metal deposits		: 1955-1969	Proetidae, Northwest Territ	

trilobites		ultramafics see chron	nitite: peridotites	Vancouver Island			
New York, Trilobita 8: 1618-1633		ultramafics see chromitite; peridotites unconformity-type		Quaternary			
Yukon Territory, stra		Saskatchewan		Vargas Island	11.002.010		
phy	9: 1870-1880	metal ores	4: 743-		4: 832-840		
Trilobitomorpha see T		uranium ores	4: 705-719; 4: 720-7	, or Committee	1.002 010		
Trionychidae		underground water see ground water		Venezuela see Roraima For	mation		
Vertebrata	10-11: 2214-2223	Ungava	to Broana water	vertebrae	TRALECTI		
TRM see thermoreman		geochemistry	7: 1505-1:		10-11: 2027-2036		
Trois Rivieres Quebe		geochronology	8: 1582-1:		1: 2037-2081; 10-		
natural gas	9: 1881-1885	petrology	12: 2423-24		2082-2095; 10-11:		
Troodontidae	9. 1881-1883						
Vertebrata	10-11: 2163-2173	Quaternary	8: 1676-10	090	2128-2138; 10-11:		
vertebrata		United Kingdom see		V	2174-2176		
	10-11: 2224-2230; 10-	United States see al		Vertebrata see Tetrapoda			
11: 2231-2247		Georgia; Idaho; Iowa; Michigan; Minne-					
tuff see volcaniclastics		sota; Montana; New York; Ohio; South					
Tuktoyaktuk Peninsula		Dakota; Washington; Wyoming			British Columbia, structural		
Quaternary	1: 103-108	structural geology,		geology	12: 2389-2403		
Tullock Member	9: 1981-1996	Range	7: 1306-1				
Turonian		uplifts		Quaternary	5: 928-944		
Alberta	10-11: 2255-2272	Canada		Victors Brook Newfoundla	and		
South Dakota	10-11: 2255-2272	Quaternary	8: 1676-1	696 orogeny	9: 1759-1772		
Uzbekistan	10-11: 2255-2272	tectonics	3: 621-	630 viscous remanent magneti	zation		
Twenty Mile Creek		Northwest Territor	ies	Michigan, petrology	7: 1404-1414		
geomorphology	5: 945-953	petrology	4: 867-				
Twisp Valley Schist		structural geolo					
structural geology	7: 1306-1323	Quebec, Quaternar			m-		
Two Medicine Forma			ee Belly River Format		1: 132-144		
Vertebrata	5: 997-1006		ation; Elkhorn Mount		1. 132-17-		
two-mica granite	3.777-1000				lacitace bacaltee		
British Columbia, ge	oohom	Volcanics; Hell Creek Formation; Judith River Formation; K-T boundary; Oldman			granophyre; phonolites; pyroclastics;		
		Formation; Senonian; Turonian; Two			rhyolites; trachytes		
istry	5: 1076-1090				0 (44 (4)		
U-238/U-234		Medicine Forma		Newfoundland, stratigrap	hy 3: 644-646		
Saskatchewan, urani	um ores 4: 754-763		Famennian; Palliser l				
U/Pb see also Pb/Pb		mation		volcaniclastics			
British Columbia, ge			ne see Sangamoni				
nology	12: 2305-2314	Wisconsinan		geochronology	5: 1066-1075		
Canadian Shield		upper Precambrian see Proterozoic		Quaternary	3: 535-552		
Archean	1: 42-47	Upper Silurian see L	udlovian; Pridolian	Nova Scotia, geochemis-			
geochronology	3:465-473	uraninite see uraniu	m ores	try 6: 114	17-1154; 12: 2273-		
Iowa, Precambrian	6: 1275-1285	uranium			2282		
Labrador, Pro-		U-238/U-234, Sas	katchewan 4:754-	763 Washington, Quaternary	3: 535-552		
terozoic	7: 1458-1469; 7: 1470-	uranium disequilib	rium	volcanics see volcanic rock	S		
	1489	Quebec, Quaterna	ry 8: 1730-1	740 volcanism see also eruption	ns; lava; shield		
Minnesota, geochemistry 12: 2510-2522		uranium minerals		volcanoes			
Newfoundland		Saskatchewan, ura	nium ores 4: 705-	719 Nova Scotia, Proterozoic	1: 1-10		
Devonian	12: 2328-2333		lso unconformity-type		0-41; 6: 1179-1196		
Proterozoic	7: 1458-1469; 7: 1470-	Labrador	12: 2352-2		11,0,11,7,11,7		
1 TOTOLOGOTO	1489	Newfoundland	12: 2352-2		1: 11-28; 1: 29-41		
Silurian	8: 1607-1612	Saskatchewan	4: 651-		12: 2283-2294		
Nova Scotia, Pro-	0. 1007-1012	Daskatelle wall	4: 653-673; 4: 674-6				
terozoic	1: 1-10; 3: 474-479		4: 731-742; 4: 754-		1003		
	1. 1-10, 3. 4/4-4/2	uranium-lead see U			8: 1715-1719		
Ontario	1 00 41 6 1170 1106			Quebec, Quaternary			
Archean	1: 29-41; 6: 1179-1196		hod see uranium dise		wandering		
geochronology	6: 1155-1165	librium		Washington			
Proterozoic	6: 1286-1296	uranium-thorium se	e Th/U	Quaternary	3: 535-552		
Proterozoic	7: 1490-1504	Utatsusaurus		Island County Washing			
Quebec		Vertebrata	3: 486-	-490 ton	9: 1815-1828		
Archean	1: 11-28	Uzbekistan		Jefferson County Wasl	h-		
	1: 29-41; 9: 1970-1980	Vertebrata	10-11: 2214-2223;	10- ington	9: 1815-1828		
geochronology	5: 1056-1065		11: 2255-2		ton 9: 1815-1825		
Proterozoic	6: 1286-1296; 7: 1453-	Val d'Or Quebec		Whatcom County Was			
22	1457	gold ores	3:413-		9: 1815-182		
Saskatchewan, geoc		Pare alea	9: 1924-1933; 12: 2:				
ogy	4: 769-775			2351 Chelan County Washin	10-		
U/Th see Th/U	7. 107-113	Valhalla Complex	-	ton	7: 1306-132		
Uairen Formation		geochronology	12: 2305-2				
stratigraphy	12: 2380-2388	valleys see also gor		ington	7: 1306-1323		
Uchi Subprovince	14. 4300-4300	Alberta, Quaterna					
Archean	6: 1179-1196	Quaternary	4: 841		7: 1306-1323		
Alchean	0: 11/9-1190	Quaternary	4. 041	-030 1011	7. 1300-1323		

waste disposal		Wigwam Formation		zeolite group see and	alcime	
Saskatchewan, metal ores 4: 689-704		stratigraphy 3: 644-646		zinc blende see sphalerite		
water falls see waterfalls		Willbob Formation		zinc ores		
Waterbury Lake Deposit		geochronology	8: 1582-1593	British Columbia		1: 48-59
uranium ores	4: 651-763	Williston Basin		France		1: 113-123
waterfalls		tectonics	3: 621-630	Ouebec		9: 1934-1954
Ontario	5:945-953	Windsor Subbasin		vireon		9: 1934-1934
Wawa Belt		stratigraphy	5: 1091-1098	***		4: 764-768
geochemistry	12: 2510-2522	wireline logging see well-	logging	, 6		
petrology	5: 985-996	Wisconsinan	4: 841-850	British Columbia, geochro-		
weathering see also weathering rinds		Canada	8: 1676-1696	nology 12: 2305-		12: 2305-2314
Ontario, geochemistry	1:60-76	Wollaston Group		Canada, geochrone	ology	8: 1582-1593
Ouebec, Quaternary	9: 1853-1860	uranium ores	4: 653-673	Canadian Shield		
weathering rinds		Wolverine Complex		Archean 1: 42-4'		
New Zealand, Quaternary	9: 1861-1869	structural geology	6: 1262-1274	geochronology		3: 465-473
wedges, ice see ice wedges		Wrangellia		8		6: 1275-1285
Weekend Dikes		British Columbia, faults	5: 1014-1027	Labrador, Pro-	•	0. 12.0 1200
geochemistry	12: 2295-2304	Wucaiwan Formation		terozoic	E 1450	1460 5 1450
Wegener hypothesis see continental drift		Vertebrata	10-11: 2027-2036	terozoic	7: 1458	1469; 7: 1470
well-logging		Wuerhosaurus ordosensis				1489
Canada, stratigraphy 1: 174-200		Vertebrata 10-11: 2174-2176		, 8		12: 2510-2522
geophysical surveys	3: 480-485	Wyoming		Newfoundland, Pr	0-	
temperature logging, Mo-		stratigraphy	12: 2475-2480	terozoic	7: 1458	1469; 7: 1470-
rocco	5: 1049-1055	xenoliths				1489
United States, stratigraphy	1: 174-200	Quebec	1: 124-131	Nova Scotia, Pro-		
Wenlockian		xenotime		terozoic	1.1.	10: 3: 474-479
Northwest Territories	3: 491-498	Quebec, geochronology	5: 1056-1065	Ontario	1. 1	10, 3. 7/7-7/
West Africa see Mali		Xinjiang China			1.00.41	. 6. 1170 1100
West Pacific see Bering Sea		Reptilia	10-11: 1997-2001	Archean	1: 29-41	; 6: 1179-1196
Western Canada see Alberta; British Colum-		Vertebrata, Junggar		0,		6: 1155-1165
bia; Canadian Cordillera; Canadian Rocky		Basin 10-11: 2013-2026		Proterozoic	6: 1286-1	
Mountains; Manitoba; Northwest Territo-		10-11: 2027-2036; 10-				2527
ries; Saskatchewan; Yukon Territory		11: 2037-2081; 10-11:		Proterozoic	7: 1490-1504	
Western Europe see United Kingdom		2082-2095		Quebec		
Western Interior	ing worm	Xinjiangchelys	2002 2070	Archean		1: 11-28
paleomagnetism	9: 1981-1996	Vertebrata	10-11: 2013-2026		1:29-41	; 9: 1970-1980
Whatcom County Washington		Yarlung Zangbo suture zone see Indus-		gold ores	12: 2334-2351	
Quaternary 9: 1815-1828		Yarlung Zangbo suture zone		Proterozoic		
Whirlpool Sandstone		Younginiformes see Eosuchia		1457		
geomorphology 5: 945-953		Yukon Territory		Saskatchewan, geochronol-		
white mica see muscovite		stratigraphy, Selwyn Basin 9: 1870-1880		ogy 4: 769-77.		
WILLO FILLER DEC HILLOCOVILE		budugiaphy, berwyll ba	J. 1070-1000	-67		4. 105-11.

